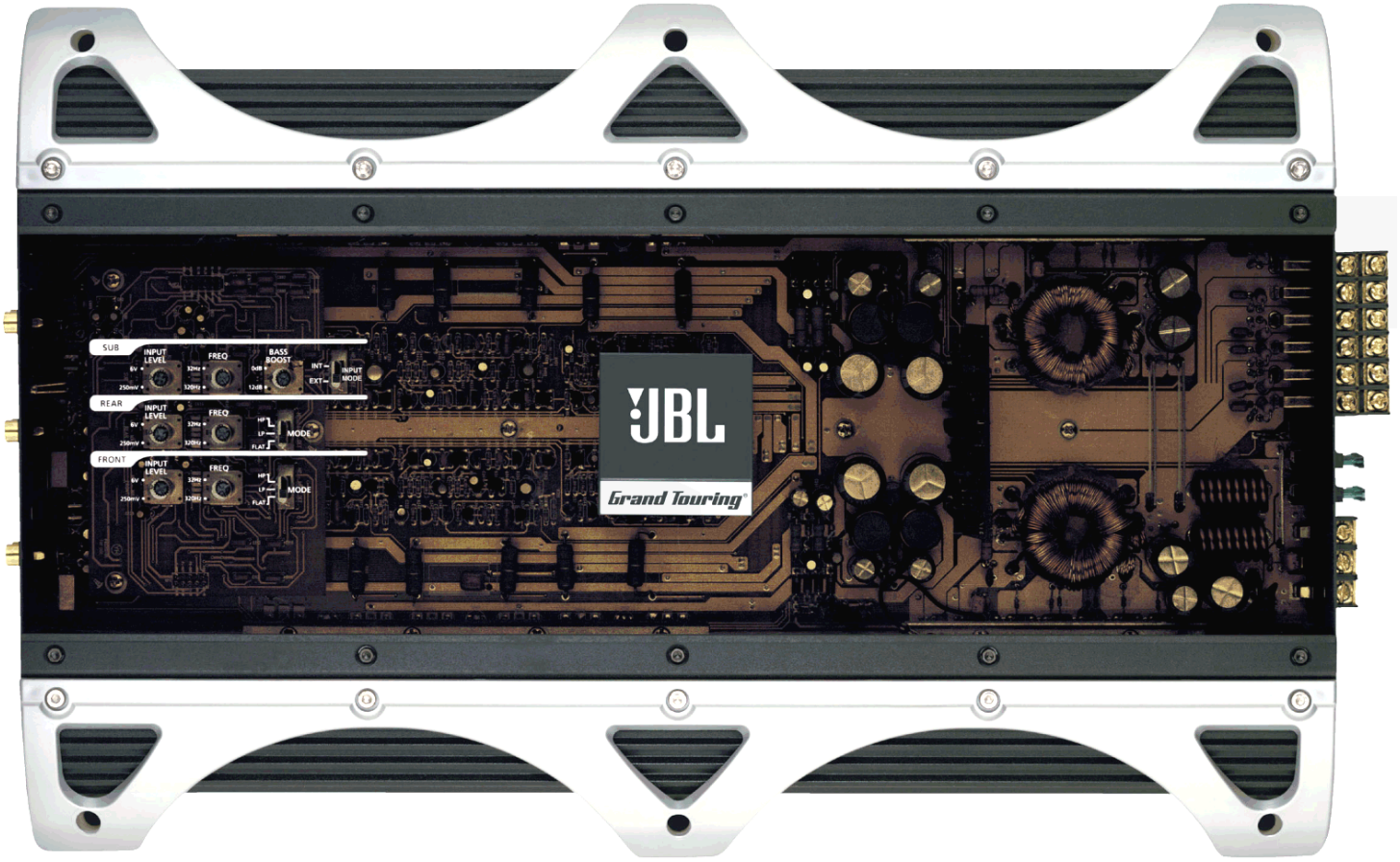
GTO Series
755.6
755.6II
6 CHANNEL POWER AMPLIFIERS

SERVICE MANUAL



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GTO 755.6/ GTO 755.6II Specifications

Output Power:	60W RMS x 4 channels; 107W RMS x 2 channels
(14.4V supply)	@ 4 ohms; ≤1% THD + N
	80W RMS x 4 channels; 150W x 2 channels
	@ 2 ohms; ≤1% THD + N
	160W RMS x 2 channels; 300W x 1 channel
	@ 4 ohms; ≤1% THD + N
Signal-to-noise ratio:	79dBA (reference 1W into 4 ohms)
Dynamic power:	117W (channels 1,2,3,4) @ 2 ohms
	163W (channels 5,6) @ 2 ohms
Effective damping factor:	6.39 @ 4 ohms
Frequency response:	10Hz – 47kHz (–3dB) (channels 1,2,3,4)
	10Hz – 302Hz (channels 5,6)
Maximum input signal:	6.0V
Maximum sensitivity:	GTO 755.6 - 250mV
	GTO 755.6II - 75mV
DC Offset	<50mV (-50%)
Output regulation:	.042dB @ 4 ohms
Idle Current	1.9A
Input Impedance	22kΩ
Max Current Draw	50A @ 4 ohms
	89A @ 2 ohms
Dimensions:	18 11/16 x 12 5/16 x 2 3/8” (L x W x D)
	(474mm x 313mm x 60mm)
Fuses:	30A x 2

JBL continually strives to update and improve existing products, as well as create new ones. The specifications and details in this and related JBL publications are therefore subject to change without notice.

features

- 4-Channel Operation
- Advanced MOSFET Oversized Floating Rail Power Supply
- Floating Ground Factory - Head - Unit Speaker - Level input
- Variable Input Sensitivity (250mV - 6V)
- Fully Complementary Output Stage with Class-AB Voltage Amplification
- Gold-plated Power, Input and Output Connectors
- 2-Ohm Stable (Stereo)

Test Conditions and Notes

- All tests to be done, unless otherwise specified, from 10Hz to 47KHz and 302Hz at 14.4V DC into 4 ohm loads and adjust the units gain so that with a .775 volt input signal the unit is at Its maximum rated output.
  All measurements will be done using an Audio precision system one and the supply voltage.

- An A+ line voltage of 14.4V DC shall be applied to the unit under test for all measurements unless otherwise specified. The voltage applied to the unit shall be measured at the power connection on the Amplifier.

- Signal Source
  Unless otherwise specified, all tests shall be conducted with the Audio Signal Generator output configured to be balanced, less than or equal to 50 ohm source impedance, and floating. The signal source "GND" shall be connected to the Amplifier PWR GND at the Amplifier.

- Output Load
  Unless otherwise specified, all tests shall be conducted with 4 ohm resistive loads having less than 10% reactive components at any frequency below 47KHz and 302Hz. Each resistor shall have a value that remains within 1% while dissipating the rated output of the unit under test.

- Power Indicator Green LED steadily illuminates for normal operation. Illuminates up Red LED blinks when protection circuitry is engaged, and during power up.

INSTALLATION

WARNING: Playing loud music in an automobile can hinder your ability to hear traffic and permanently damage your hearing. We recommend listening at low or moderate levels while driving your car. JBL accepts no liability for hearing loss, bodily injury or property damage resulting from the use or misuse of this product.

IMPORTANT: To get the best performance from your JBL Grand Touring® Series amplifiers, we strongly recommend that installation be entrusted to a qualified professional. Although these instructions explain how to install GTO amplifiers in a general sense, they do not show specific installation methods that may be required for your particular vehicle. If you do not have the necessary tools or experience, do not attempt the installation yourself. Instead, please ask your authorized JBL car audio dealer about professional installation.

INSTALLATION WARNINGS AND TIPS

- Always wear protective eyewear when using tools.
- Turn off the audio system and other electrical devices before you start. Disconnect the (–) negative lead from your vehicle's battery.
- Check clearances on both sides of a planned mounting surface before drilling any holes or installing any screws. Remember that the screws can extend behind the surface.
- At the installation sites, locate and make a note of all fuel lines, hydraulic brake lines, vacuum lines and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.
- Before drilling or cutting holes, use a utility knife to remove unwanted fabric or vinyl to keep material from snagging in a drill bit.
- When routing cables, keep input-signal cables away from power cables and speaker wires.
- When making connections, make certain they are secure and properly insulated.
- If the amplifier's fuse must be replaced, use only the same type and rating as that of the original. Do not substitute another kind.

CHOOSING A LOCATION AND MOUNTING THE AMPLIFIER

Choose a mounting location in the trunk or cargo area where the amplifier will not be damaged by shifting cargo. Amplifier cooling is essential for proper amplifier operation. If the amplifier is to be installed in an enclosed space, make sure there is sufficient air circulation for the amplifier to cool itself.

When mounting the amplifier under a seat, ensure that it is clear of all moving seat parts and does not affect the seat adjustments. Mount the amplifier so it is not damaged by the feet of backseat passengers. Make sure that the amplifier is mounted securely using nuts and bolts or the supplied mounting screws.

Mount the amplifier so that it remains dry – never mount an amplifier outside the vehicle or in the engine compartment.

POWER CONNECTIONS

The GTO amplifiers are capable of delivering extremely high power levels, and require a heavy-duty and reliable connection to the vehicle's electrical system in order to perform optimally. See Figure 1 for connection location. Please adhere to the following instructions carefully:

Ground Connection

Connect the amplifier's Ground (GND) terminal to a solid point on the vehicle's metal chassis, as close to the amplifier as possible. Refer to the chart below to determine minimum wire-gauge size. Scrape away any paint from this location; use a star-type lock washer to secure the connection.

Power Connection

Connect a wire (see chart at right for appropriate gauge) directly to the vehicle's positive battery terminal, and install an appropriate fuse holder within 18" of the battery terminal. *Do not install the fuse at this time.* Route the wire to the amplifier's location, and connect it to the amplifier's Positive (+12V) terminal. Be sure to use appropriate grommets whenever routing wires through the firewall or other sheet metal. *Failure to adequately protect the positive wire from potential damage may result in a vehicle fire.* When you are done routing and connecting this wire, you may install the fuse at the battery.

Remote Connection

Connect the amplifier's Remote (REM) terminal to the source unit's Remote Turn-On lead using a minimum of 18-gauge wire.

NOTE: When using the speaker level inputs, connect the remote (REM) terminal to the source unit. If your source unit does not have a remote turn-on connection, connect the amplifier's (REM) terminal to the vehicle's accessory circuit.

Speaker Connections

Refer to the application guides on the pages that follow. Speaker connections should be made using a minimum of 16-gauge wire.

High-Level Input Connections

The GTO series amplifiers are equipped with speaker-level inputs that allow you to add an amplifier to head units that do not have RCA line outputs. The speaker outputs for the source unit should be connected to the amplifier using the supplied connector (square four-wire plug). Remember to check for proper polarity.

NOTE: When using the high-level inputs, the AUX outputs can be used to pass a line-level signal to another amplifier.

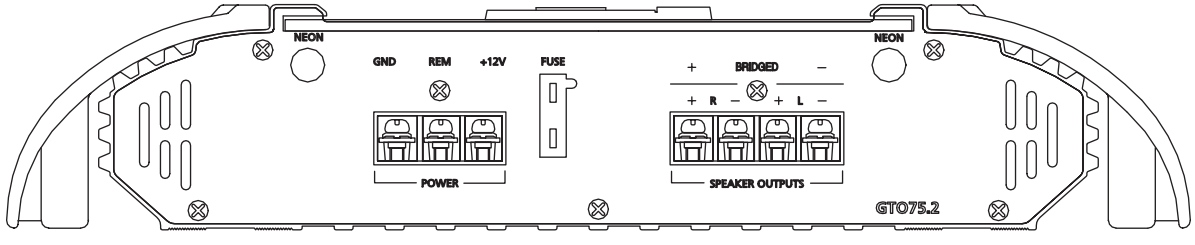
Wire Gauge Chart

Amplifier Model	Maximum Current Draw	Minimum Wire Gauge
GTO755.6	87A	#8 AWG

These recommendations assume 7' – 10' wire runs. If your installation differs markedly, you will need to adjust the wire gauge accordingly.

IMPORTANT NOTE: If you are planning to use optional neon tubes, install them before making any electrical connections to the amplifier (refer to"Installing Neon Tubes").

Figure 1. Terminal connection end plate.



CONNECTIONS – GTO755.6/755.6II

The GTO755.6/755.6II can be configured for 6-channel, 5-channel or 3-channel operation, as shown in **Figures 9 through 11**.

INPUT MODE switch:

- Use INT (internal mode) to send a signal from the front and rear inputs to the subwoofer.
- Use EXT (external mode) when sending a dedicated signal to the subwoofer inputs; e.g., if your source unit has a subwoofer output.

NOTE: For simplicity, Figures 9 through 11 do not show power, remote and input connections.

NOTE: Minimum speaker impedance for stereo operation is 2 ohms. Minimum speaker impedance for bridged operation is 4 ohms.

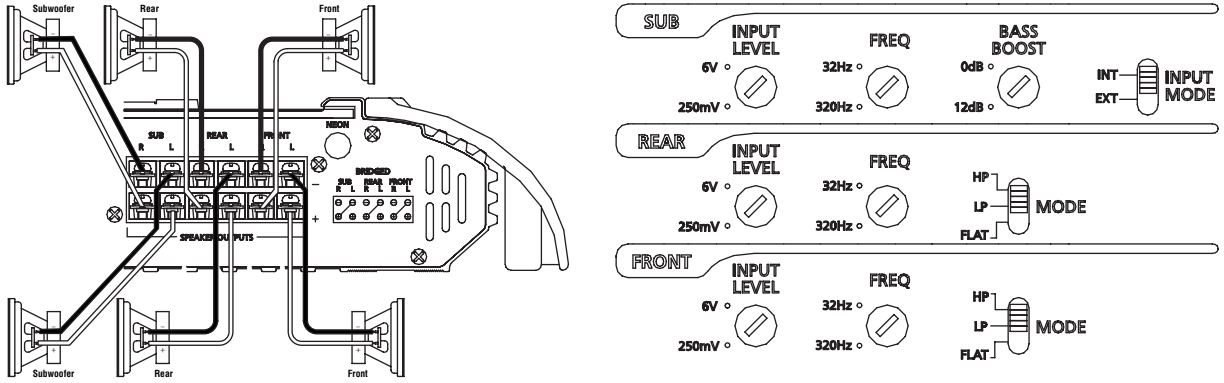


Figure 9. 6-Channel operation: GTO755.6/755.6II amplifier driving full-range front and rear speakers and a pair of subwoofers.

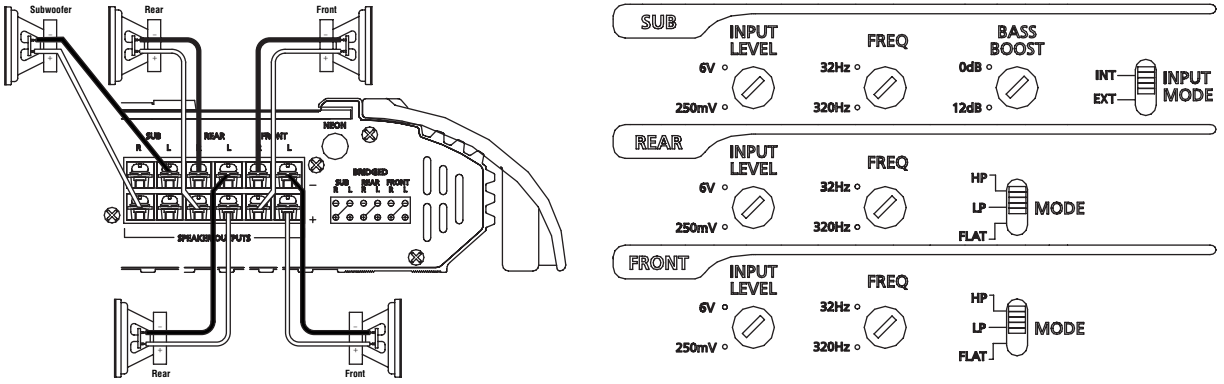


Figure 10. 5-Channel operation: The same as Figure 9, with the subwoofer output bridged to drive a single 4-ohm subwoofer, providing the speaker with more power.

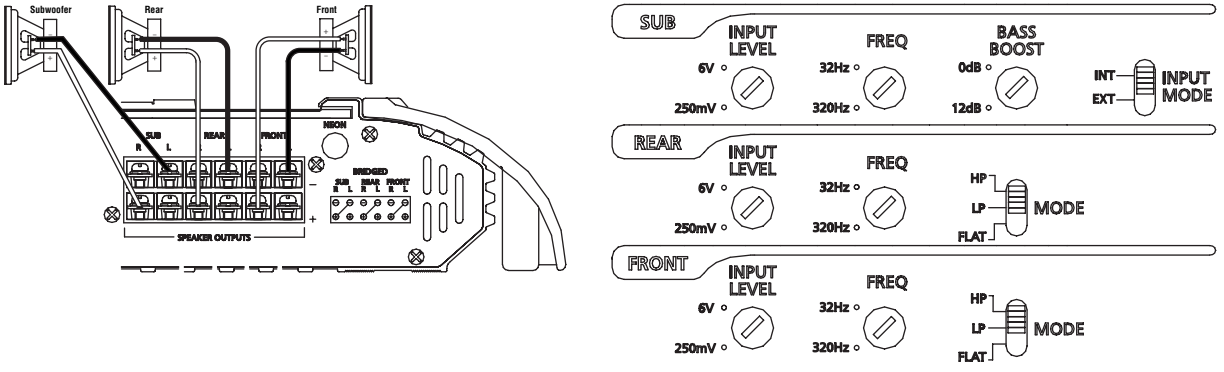
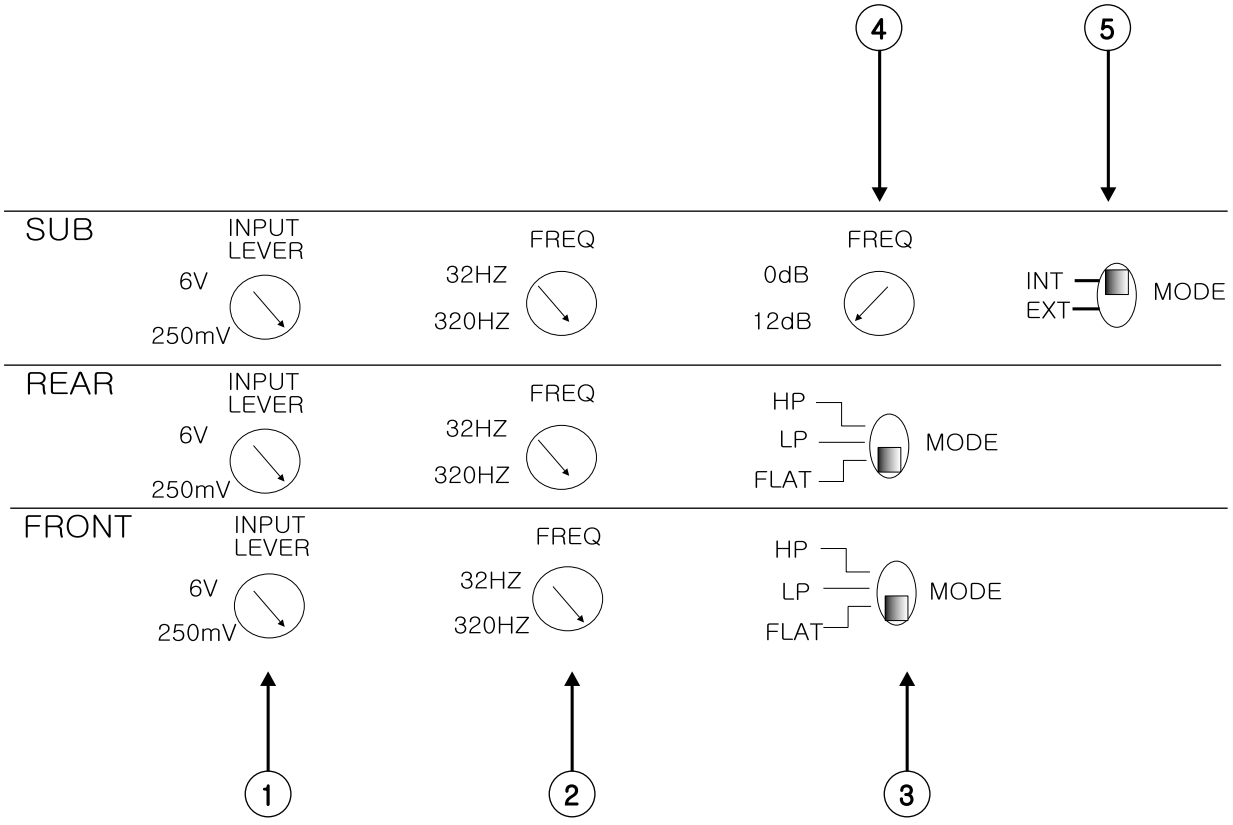


Figure 11. 3-Channel operation: GTO755.6/755.6II amplifier configured for 3-channel operation, where all of the channels are bridged for a subwoofer and a pair of component speakers.

TOP CONTROL



1. Input-Level Control - Adjusts input sensitivity for pre-amp level and speaker level inputs.

2. The crossover frequency can be set at any frequency between 32Hz and 320Hz.

3. This switch allows these two amplifier channels to play full range,low pass,or high pass

4. The bass boost control will provide up to 12dB of boost At 50Hz.

5.Switch for selecting INT or EXT mode

INSTALLATION AND SETUP

SETTING THE CROSSOVER(S)

Determine your system plans and set the crossover mode switch accordingly.

Initially set the crossover frequency control midway. While listening to music, adjust the crossover for the least perceived distortion from the speakers, allowing them to reproduce as much bass as possible.

Systems using a separate subwoofer set the crossover mode to HP (high pass) for your full-range speakers. Adjust the crossover frequency to limit bass and provide increased system volume with less distortion.

For subwoofers, choose the highest frequency that removes vocal information from the sound of the subwoofer.

NOTE:The subwoofer output of the GTO755.6 is low-pass only and does not have a crossover mode switch.

SETTING INPUT SENSITIVITY

1. Initially turn the INPUT LEVEL control(s) to minimum (counter clockwise).
2. Reconnect the (–) negative lead to the vehicle's battery. Apply power to the audio system and play a dynamic music track.
3. On the source unit, increase the volume control to 3/4 volume. Slowly increase the INPUT LEVEL control(s) toward three o'clock until you hear slight distortion in the music. Then reduce the INPUT LEVEL slightly until distortion is no longer heard.

NOTE: After the source unit is on, red LEDs (on the top panel) will light, indicating the amplifier is on. If not, check the wiring, especially the remote connection from the source unit. Also refer to "Troubleshooting" on the next page.

REMOTE LEVEL CONTROL

All GTO subwoofer amplifiers have inputs for an optional remote level control (RLC). This will allow the amplifier's input level to be adjusted from the listening position. Connect the optional remote level control using the RJ-11 jack on the side of the amplifier. Install the control module in the front of the vehicle within easy reach of the driver. Under the dash or in the center console are both suitable locations.

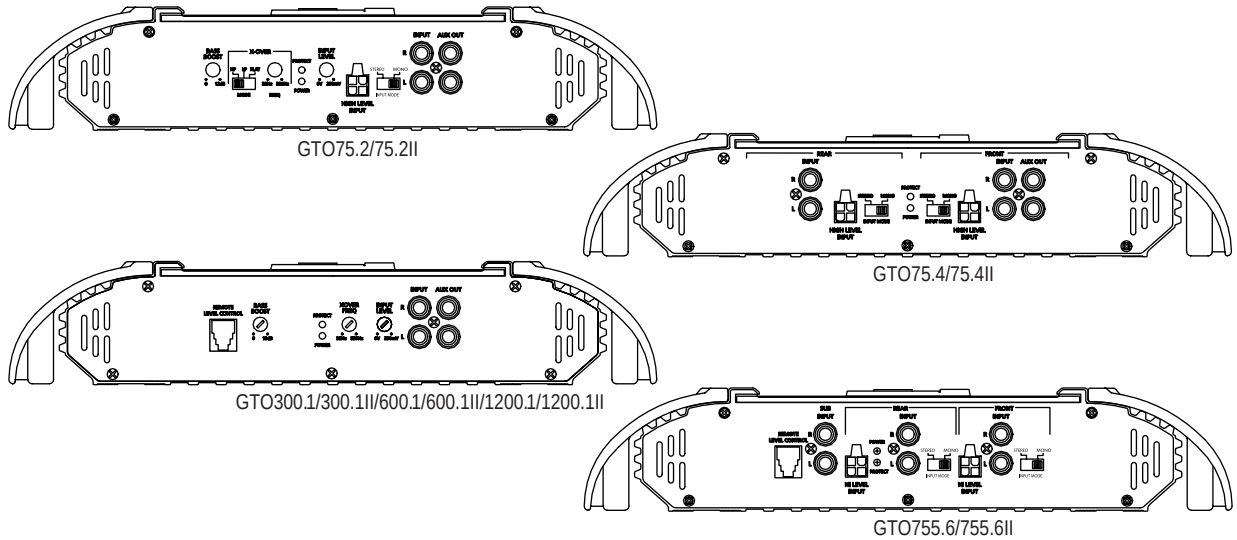
SETTING THE BASS BOOST

The GTO755.6/755.6II is equipped with a bass-boost control. This allows you to adjust the bass output of your system at 50Hz up to 12dB and enhance low frequency.

INSTALLING NEON TUBES (OPTIONAL)

1. Using a Phillips screwdriver, remove all screws on the amplifier's output/power end panel and set them aside.
2. Using a 3/32-inch Allen wrench, remove only the screws on the amplifier's (top) clear cover and set them aside.
3. Remove the end panel and slide the cover off. Set both parts aside.
4. Locate the enclosed hardware bag and remove the four clips. Each clip has a square end and a larger round end. Using a round end, press two clips onto each neon tube (e.g., Street Glow AN9 or equivalent), as shown in **Figure 13**.
5. For each tube, align both clips so the square ends slide onto an exposed extrusion edge, as shown in Figure 9. Do not cover any screw holes. When installed correctly, each neon tube will sit under an extrusion and not be visible when viewed from directly above.
6. Route each neon tube's power cable through its respective NEON hole on the end panel (see **Figure 13**).
7. Slide the cover back into place and re-install its screws. Then, replace the end panel and reinstall its screws.
8. Finish the installation of the neon tubes as instructed in their owner's manual.

Figure 12. Control end panel.



INSTALLATION AND SETUP

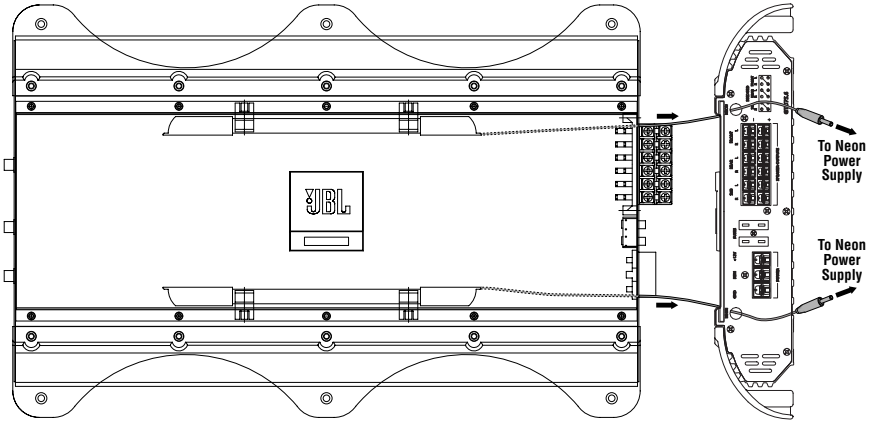
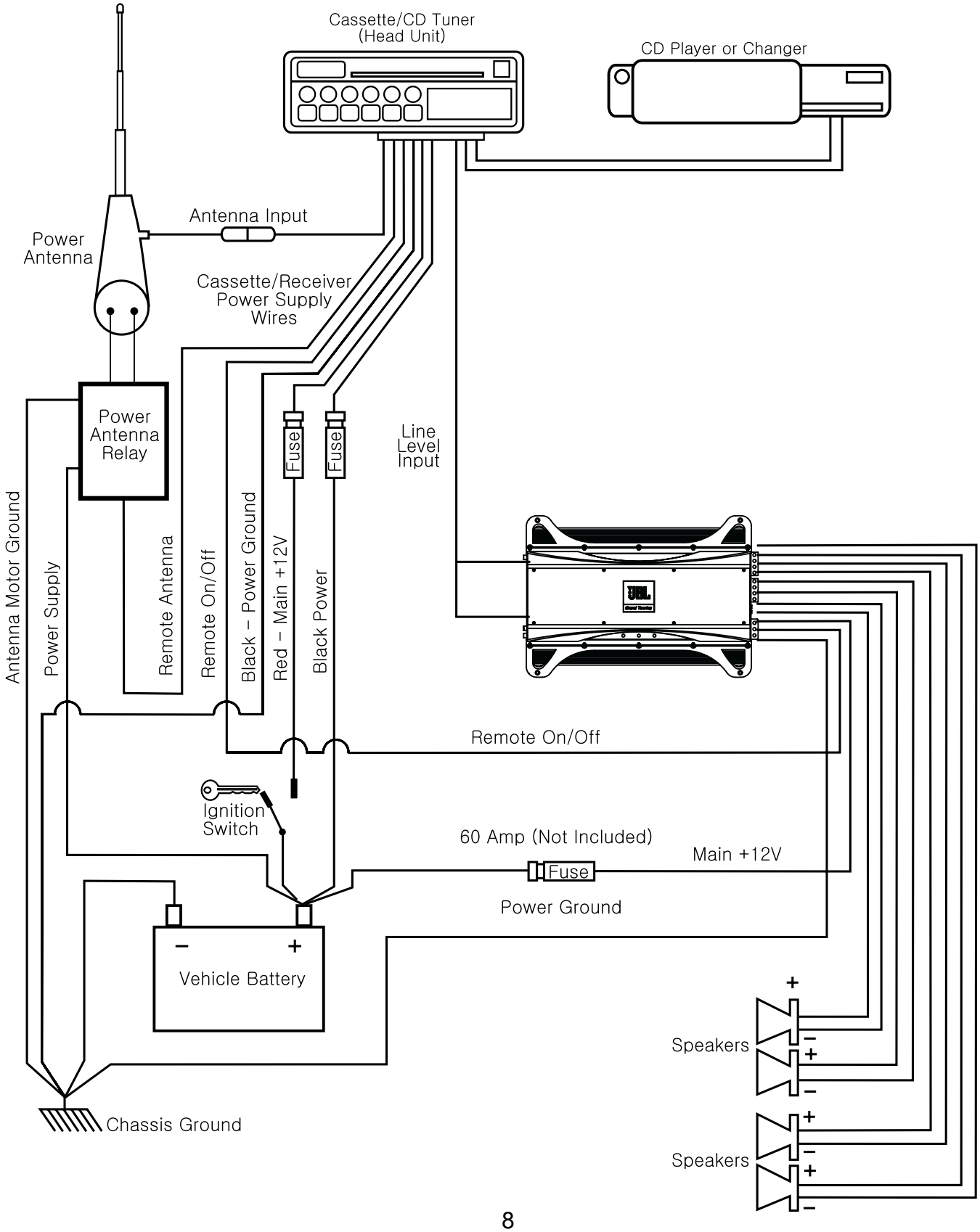


Figure 13. Installing neon tubes in a JBL GTO amplifier.

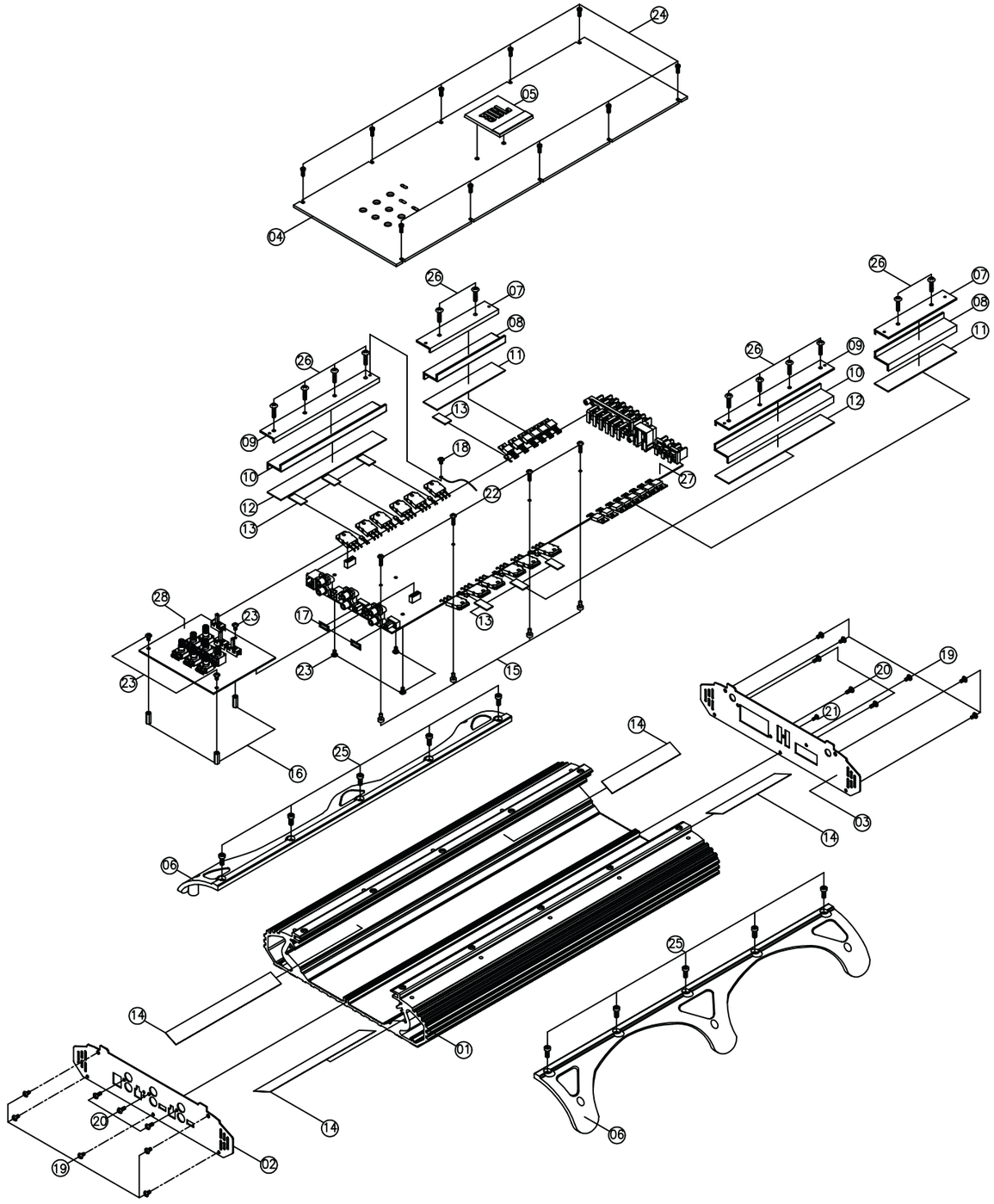
TROUBLESHOOTING

SYMPTOM	LIKELY CAUSE	SOLUTION
No audio (POWER LED is off)	No voltage at BATT+ or REM terminals, or bad or no ground connection	Check voltages at amplifier terminals with VOM
No audio (PROTECT LED flashes every 4 seconds)	DC voltage on amplifier output	Amplifier may need service; see enclosed warranty card for service information
No audio (PROTECT LED is on)	Amplifier is overheated	Make sure amplifier cooling is not blocked at mounting location; verify speaker system impedance is within specified limits (see "Specifications" on the next page)
No audio (PROTECT and POWER LEDs flash)	Voltage less than 9V on BATT+ connection	Check vehicle charging system for defective voltage regulator
No audio (PROTECT LED is on)	Voltage more than 16V or less than 8.5V on BATT+ connection regulator	Check vehicle charging system for defective voltage
Distorted audio	Input sensitivity is not set properly, or amplifier or source unit is defective	Check INPUT LEVEL setting; or check speaker wires for shorts or grounds
Distorted audio and PROTECT LED flashes	Short circuit in speaker or wire	Remove speaker leads one at a time to locate shorted speaker or wire, then repair
Music lacks "punch"	Speakers are not connected properly	Check speaker connections for proper polarity

Typical System Configuration



GTO755.6 Exploded View



REVISIONS			
REV	DESCRIPTION	DATE	APRVD
1			
2			
3			

28	SUB PCB ASS'Y	FR-4 ASS'Y	PAS312-01	1	
27	MAIN PCB ASS'Y	FR-4 1.6t ASS'Y	PAM632-01	1	
26	SCREW	SMP 4X14 NI	SC1-NP-40140	12	
25	SCREW	SML 4X10 NI	SC1-NL-40100	10	
24	SCREW	SML 3X8 BK	SC1-BL-30080	10	
23	SCREW	SMB 3X6 NI	SC1-NB-30060	6	
22	SCREW	STT2 BH 3X12 NI	SC5-NB-30120	4	
21	SCREW	STT2 PH 3X8 BK	SC5-BP-30080	1	
20	SCREW	STT2 BH 3X8 BK	SC5-BB-30080	6	
19	SCREW	STT2 BH 3X6 Bk	SC5-BB-30060	10	
18	SCREW	STT2 BH 3X5 NI	SC5-NB-30050	1	
17	SWITCH DECAL	FELT, 15.0X7.0X0.3t	SUB-27-003A0	2	
16	SUPPORT-PCB(B)	BSBM(육각), L=14.0mm	SUP-02-020A0	3	
15	SUPPORT-PCB(A)	NYLON, L=4.8mm	SS-5	4	
14	SILICON PAD	SP1000, 22.0X0.3t	SIL-34-001A0	600mm	
13	CUSHION-RUBBER	RUBBER, 10.0X20.0x1.6t	SUB-33-001A0	7	
12	CUSHION-TR BRACKET(B)	FIBER, 170.0X22.0X1.0t	SUB-28-008A0	2	
11	CUSHION-TR BRACKET(A)	FIBER, 110.0X22.0X1.0t	SUB-28-001A0	2	
10	BRACKET-TR(D)	SBHG, 170.0X25.5X2.0t	BKT-11-006A0	2	
09	BRACKET-TR(C)	SBHG, 170.0X22.5X2.0t	BKT-11-005A0	2	
08	BRACKET-TR(B)	SBHG, 110.0X25.5X2.0t	BKT-11-002A0	2	
07	BRACKET-TR(A)	SBHG, 110.0X22.5X2.0t	BKT-11-001A0	2	
06	FOOT-MOUNTING	ABS(XR-401)	FOO-21-011AA	2	
05	BADGE	ABS(XR-401)	BAD-21-004AA	1	
04	WINDOW PLATE	ACRYLIC, 3.0t(L=469.5mm)	COV-22-020AA	1	
03	PANEL REAR (GTO755.6)	EGI, 1.2t	PAN-06-254AA	1	
	PANEL REAR (GTO755.6II)		PAN-06-332AA	1	
02	PANEL FRONT	EGI, 1.2t	PAN-06-253AA	1	
01	HEAT SINK MAIN	AL/EXTRUSION(L=470.0mm)	HEA-01-157AA	1	

10 ~ 100	0.1	0.2	0.3
100 ~ 500	0.2	0.3	0.5
500 ~ 1000	0.3	0.5	1.5

DRAW	CHECK	CHECK	APPRO

NAME: EXPLODE VIEW

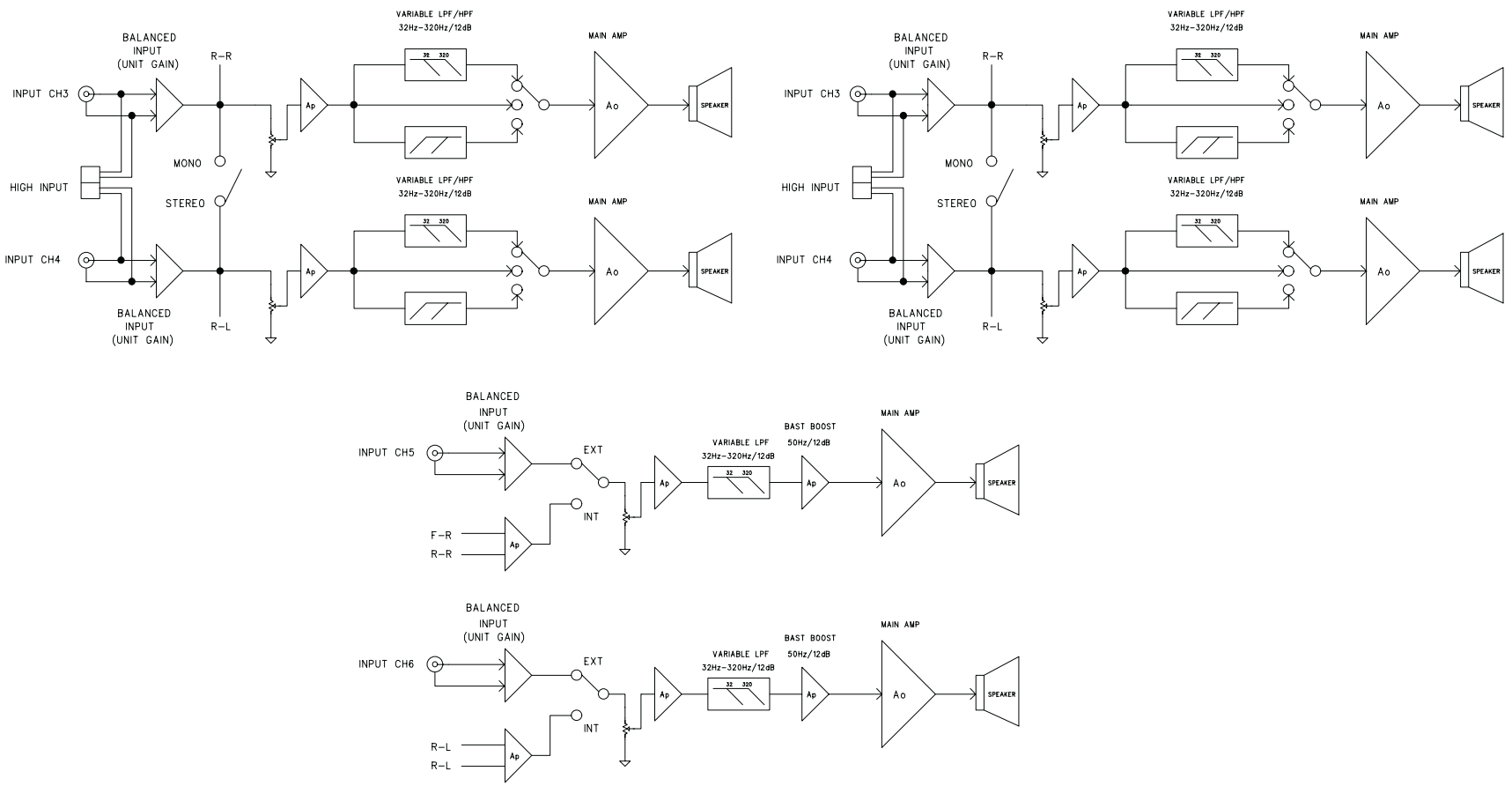
CODE NO.

ISSUE

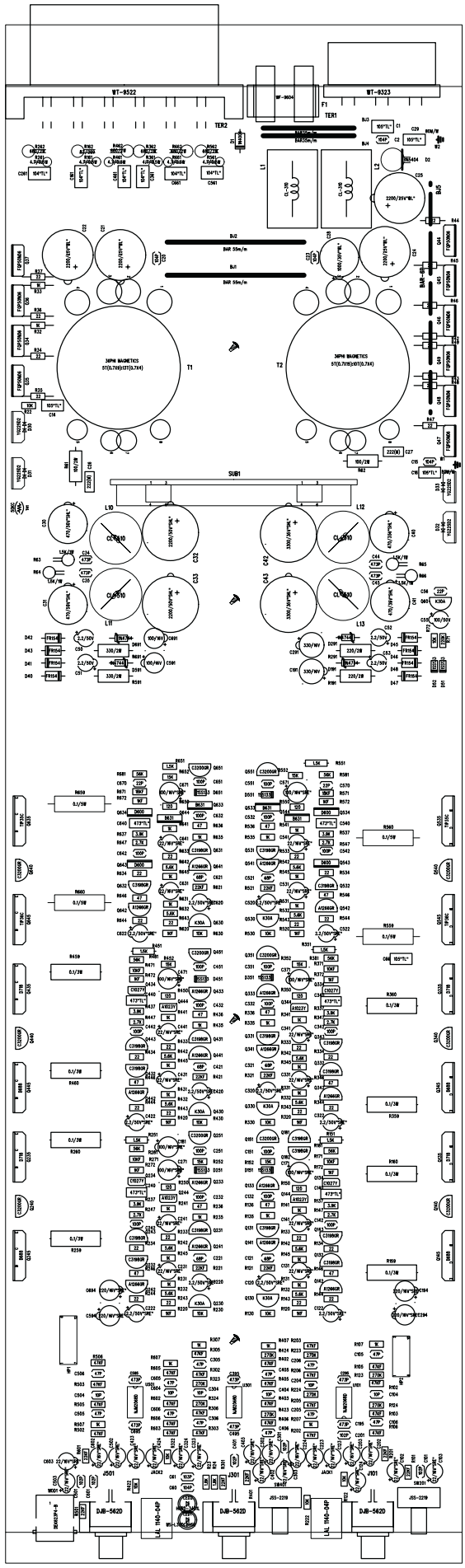
GTO755.6/755.6II Mechanical Parts List

PART NO.	DESCRIPTION		MFR PARTS	Q'TY
HEA-0 1-157AA	HEAT SINK MAIN	AL/EXTRUSI ON(L=470.0mm)	W/Spray black color	1
PAN-06-253AA	PANEL FRONT	EGI, 1.2t	W/Painting & silkscreen	1
PAN-06-254AA	PANEL REAR **(GTO755.6)**	EGI, 1.2t	W/Painting & silkscreen	1
PAN-06-332AA	PANEL REAR **(GTO755.6II)**	EGI, 1.2t	W/Painting & silkscreen	1
COV-22-020AA	WINDOW PLATE	ACRYLIC, 3.0t(L=469.5mm)	W/Silkscreen	1
BAD-2 1-004AA	BADGE	ABS(XR-40 1)	W/Hot stamp & silkscreen	1
FOO -21-011AA	FOOT MOUNTING	ABS(XR-40 1)	W/Spray silkcolor	2
BKT- 14-523A0	BRACKET LAMP	SK- /BK	W/Heat treatment	4
BKT- 11-001A0	BRACKET TR(A)	SBHG, 110.0x22.5x2.0t		2
BKT- 11-002A0	BRACKET TR(B)	SBHG, 110.0x25.5x2.0t		2
BKT- 11-005A0	BRACKET TR(C)	SBHG, 170.0x22.5x2.0t		2
BKT- 11-006A0	BRACKET TR(D)	SBHG, 170.0x25.5x2.0t		2
SUB-28-00 1A0	CUSHION TR BRACKET(A)	FIBER, 110.0x22.0x1.0t		2
SUB-28-008A0	CUSHION TR BRACKET(B)	FIBER, 170.0x22.0x1.0t		2
SUB-33-00 1A0	CUSHION RUBBER	RUBBER, 10.0x20.0x1.6t		7
SIL-34-00 1A0	SILICON PAD	SP 1000, 22.0x0.3t		600mm
SS-5	SUPPORT PCB(A)	NYLON, L=4.8mm		4
SUP-02-020A0	SUPPORT PCB(B)	BSBM, L=14.0mm(NI)	SUB PCB	3
SUB-27-003A0	SWITCH DECAL	FELT, 15.0x7.0x0.3t		2
SUB-28-002A0	PAPER SPACER(A)	FIBER, 200.0x6.0x0.5t		1
SUB-28-5 19A0	PAPER SPACER(B)	FIBER, 200.0x8.0x0.5t		2
SC5-NB-30050	SCREW	STT2 BH 3x5 NI	GROUND WIRE	1
SC5-BB-30060	SCREW	STT2 BH 3x6 BK	SIDE PANEL + H/SINK	10
SC5-BB-30080	SCREW	STT2 BH 3x8 BK	RCA(3), TERMINAL(3)	6
SC5-BP-30080	SCREW	STT2 PH 3x8 BK	R/P + FUSE HOLDER	1
SC5-NB-30 120	SCREW	STT2 BH 3x12 NI	PCB + HEAT SINK	4
SC 1-NB-30060	SCREW	SMB 3x6 NI	SUB PCB !"	6
SC 1-BL-30080	SCREW	SML 3x8 BK	WINDOW + H/SINK	10
SC 1-NL-40 100	SCREW	SML 4x10 NI	FOOT + HEAT SINK	10
SC 1-NP-40 140	SCREW	SMP 4x14 NI	BRACKET TR	12
SC4-NP-40250	SCREW	STT 1 PH 4x25 NI	ACCESSORY	6

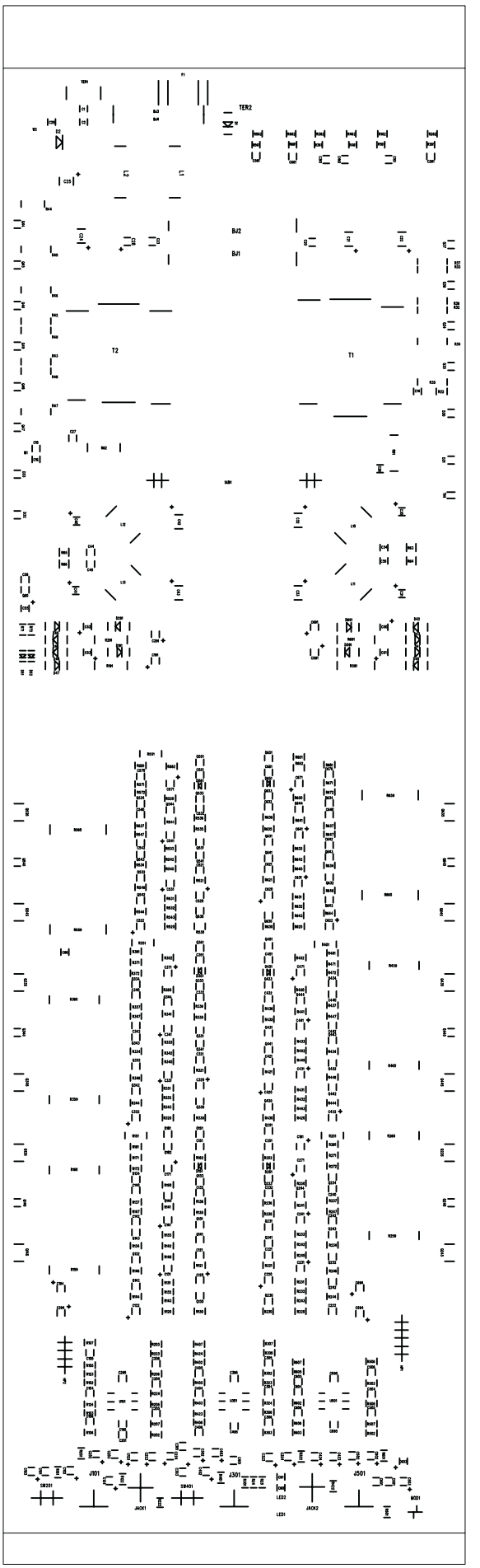
GTO755.6/755.6II Block Diagram



Printed Circuit Board (Top View)



Printed Circuit Board (BOTTOM View)



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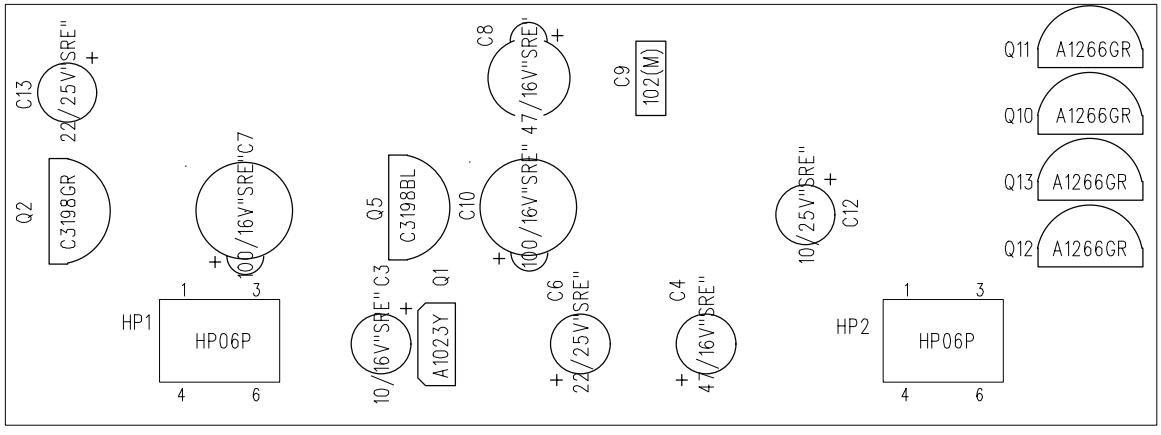

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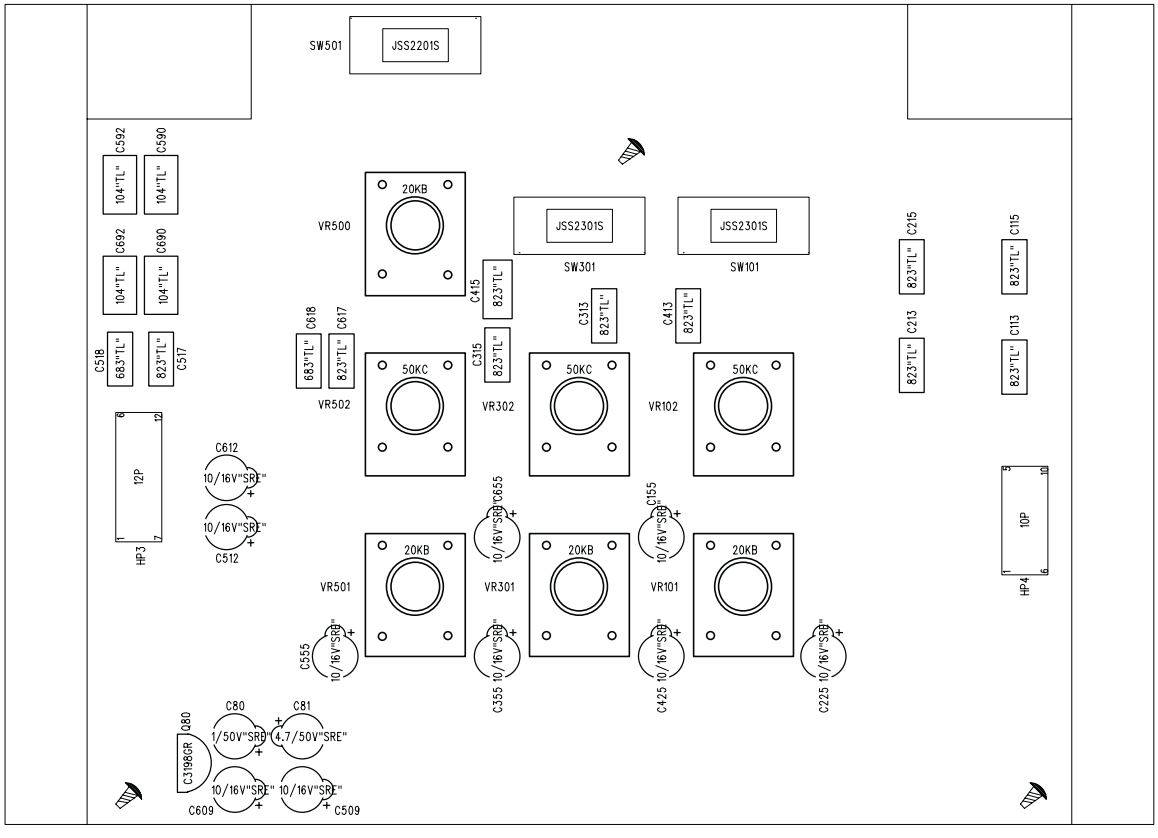

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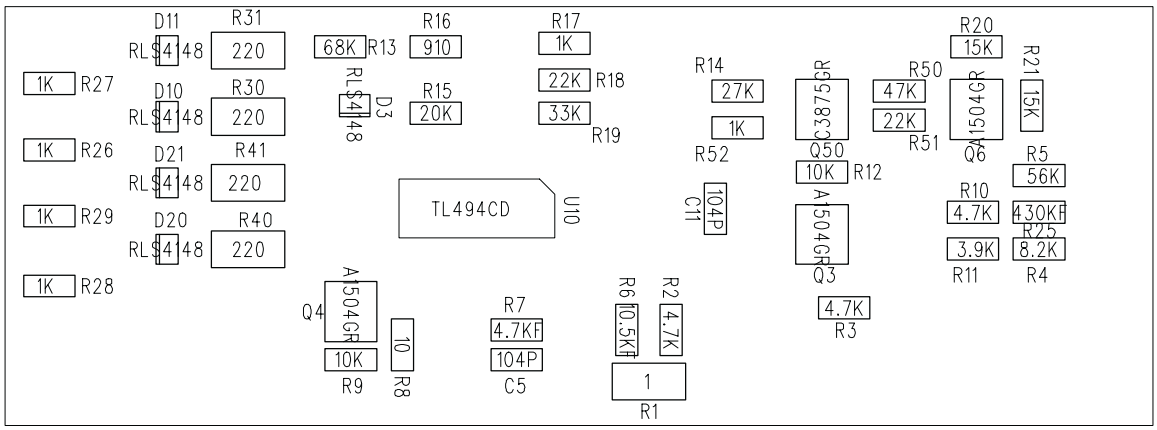

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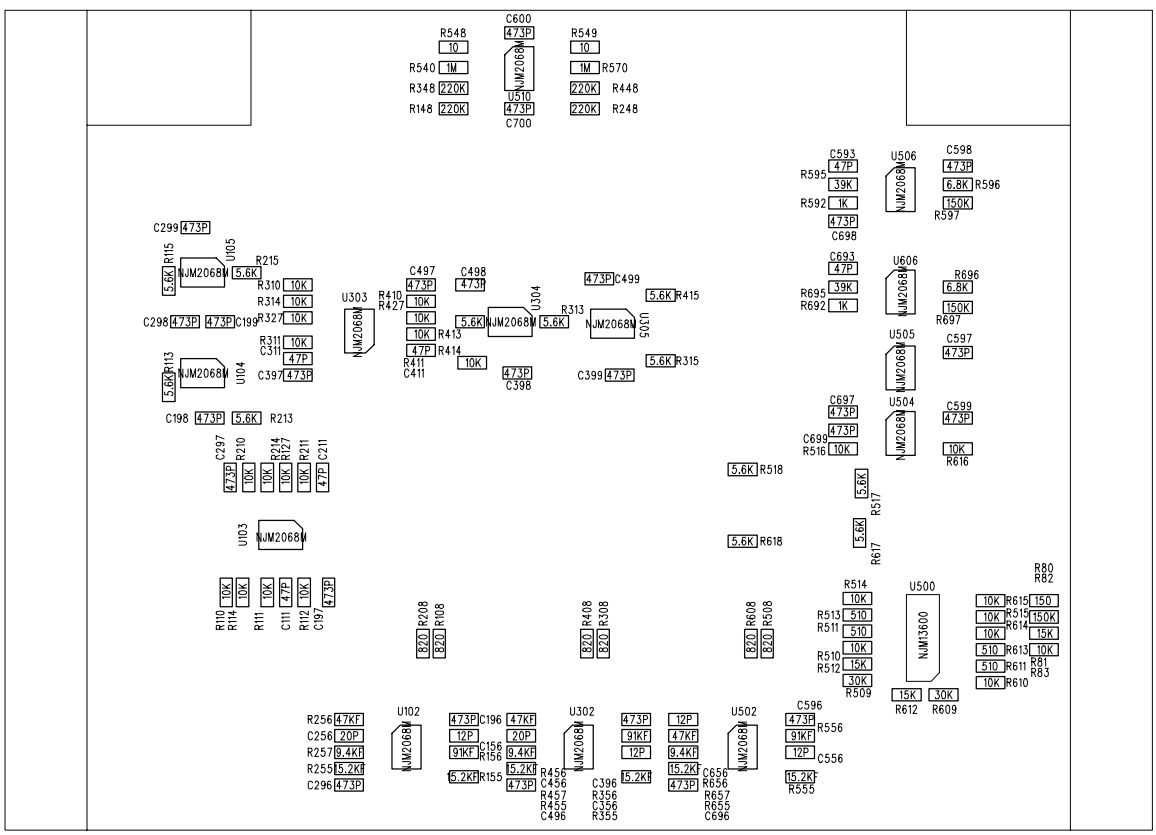


GTO755.6 Parts List

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
TRS-00-00073	F.E.T	J-FET, N-CH	KTK30AGR	Q60,130,230,330,430,530,630	7
TRS-00-00088	TRANSISTOR	SMALL SIGNAL NPN "TO-92L"	KTC1027Y	Q134,234,334,434	4
TRS-00-00087	TRANSISTOR	SMALL SIGNAL PNP "TO-92L"	KTA1023Y	Q144,244,344,444	4
TRS-00-00111	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3200GR	Q151,251,351,451,551,651	6
TRS-00-00110	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198GR	Q131,132,143,181,182,231,232,243,331,332 Q343,431,432,443,531,532,631,632	18
TRS-00-00090	TRANSISTOR	SMALL SIGNAL PNP "TO-92"	KTA1266GR	Q133,141,142,233,241,242,333,341,342,433 Q441,442,541,542,641,642	16
DIO-00-00006	DIODE	SWITCHING SIGNAL	1SS133(1N4148)	D51,52,151,251,351,451,551,651	8
DIO-00-00003	DIODE	RECTIFIER	1N4004	D1	1
DIO-00-00020	DIODE	ZENNER 15V 1W	1N4744	D191,291,591,691	4
DIO-00-00108	DIODE	FAST RECOVERY	FR154	D40,41,42,43,45,46,47,48	8
RES-00-00437	RESISTOR	METAL FILM 1/5WF	1K OHM	R120,172,220,272,320,372,420,472,520,572 R620,672	12
RES-00-00402	RESISTOR	METAL FILM 1/5WF	10K OHM	R171,271,371,471	4
RES-00-00436	RESISTOR	METAL FILM 1/5WF	18K OHM	R571,671	2
RES-00-00467	RESISTOR	METAL FILM 1/5WF	22K OHM	R101,121,201,221,301,321,401,421,501,521 R601,621	12
RES-00-00537	RESISTOR	METAL FILM 1/5WF	47K OHM	R102,103,105,106,202,203,205,206,302,303 R305,306,402,403,405,406,502,503,505,506 R602,603,605,606	24
RES-00-00660	RESISTOR	CARBON FILM 1/5WJ	22 OHM	R34,35,36,37,44,45,46,47,48,49 R133,134,143,144,233,234,243,244,333,334 R343,344,433,434,443,444,533,534,543,544 R633,634,643,644	34
RES-00-00716	RESISTOR	CARBON FILM 1/5WJ	47 OHM	R136,146,236,246,336,346,436,446,536,546 R636,646	12
RES-00-00615	RESISTOR	CARBON FILM 1/5WJ	120 OHM	R150,250,350,450,550,650	6
RES-00-00633	RESISTOR	CARBON FILM 1/5WJ	1K OHM	R32,33,42,43,107,131,135,141,145,207 R231,235,241,245,307,331,335,341,345,407 R431,435,441,445,507,531,535,541,545,607 R631,635,641,645	34
RES-00-00598	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	R151,251,351,451,551,651	6
RES-00-00602	RESISTOR	CARBON FILM 1/5WJ	1.8K OHM	R23,24	2
RES-00-00644	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	R147,247,347,447,547,647	6
RES-00-00676	RESISTOR	CARBON FILM 1/5WJ	3.9K OHM	R137,237,337,437,537,637	6
RES-00-00720	RESISTOR	CARBON FILM 1/5WJ	5.6K OHM	R132,142,232,242,332,342,432,442,532,542 R632,642	12
RES-00-00608	RESISTOR	CARBON FILM 1/5WJ	10K OHM	R22,72,122,130,222,230,322,330,422,430 R530,630	12
RES-00-00623	RESISTOR	CARBON FILM 1/5WJ	15K OHM	R152,252,352,452,552,652	6
RES-00-00730	RESISTOR	CARBON FILM 1/5WJ	56K OHM	R181,281,381,481,581,681	6
RES-00-00654	RESISTOR	CARBON FILM 1/5WJ	220K OHM	R71	1
RES-00-00664	RESISTOR	CARBON FILM 1/5WJ	270K OHM	R123,124,223,224,323,324,423,424	8
CEC-00-00077	CAPACITOR	CERAMIC DISK 50V "NPO"	10pF	C104,204,304,404,504,604	6
CEC-00-00090	CAPACITOR	CERAMIC DISK 50V "NPO"	22pF	C56,570,670	3
CEC-00-00103	CAPACITOR	CERAMIC DISK 50V "NPO"	47pF	C105,106,205,206,305,306,405,406,505,506 C605,606	12
CEC-00-00108	CAPACITOR	CERAMIC DISK 50V "NPO"	68pF	C121,221,321,421,521,621	6
CEC-00-00073	CAPACITOR	CERAMIC DISK 50V "NPO"	100pF	C132,142,151,232,242,251,332,342,351,432 C442,451,532,542,551,632,642,651	18
CEC-00-00074	CAPACITOR	CERAMIC DISK 50V	102pF	C101,201,301,401,501,601	6
CEC-00-00075	CAPACITOR	CERAMIC DISK 50V	103pF	C61	1
CEC-00-00102	CAPACITOR	CERAMIC DISK 50V	473pF	C34,35,44,45,195,295,395,495,595,695	10
CEC-00-00076	CAPACITOR	CERAMIC DISK 50V	104pF	C2,15,20,23,60	5
ELC-00-00249	CAPACITOR	ELECTROLYTIC"SRE"	2.2! /50V	C120,122,220,222,320,322,420,422,520,522 C620,622	12
ELC-00-00641	CAPACITOR	ELECTROLYTIC"SRE"	22! /16V	C102,103,123,124,131,141,202,203,223,224 C231,241,302,303,323,324,331,341,402,403 C423,424,441,502,503,531,541,602,603,631 C641	31

GTO755.6 Parts List

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
ELC-00-00243	CAPACITOR	ELECTROLYTIC"SRE"	100 ! /16V	C171,181,271,371,471,571,671	7
ELC-00-00701	CAPACITOR	ELECTROLYTIC"SRE"	220 ! /16V	C194,294,594,694	4
ELC-00-00223	CAPACITOR	ELECTROLYTIC"SMS"	2.2! /50V	C50,51,52,53	4
ELC-00-00197	CAPACITOR	ELECTROLYTIC"SMS"	22 ! /16V	C431	1
ELC-00-00199	CAPACITOR	ELECTROLYTIC"SMS"	100 ! /16V	C591,691	2
ELC-00-00231	CAPACITOR	ELECTROLYTIC"SMS"	100 ! /50V	C55	1
MYC-00-00031	CAPACITOR	MYLAR 5% 100V	222J	C26,27	2
MYC-00-00090	CAPACITOR	MYLAR 5% 63V "TL"	473J	C140,240,340,440,540,640	6
MYC-00-00083	CAPACITOR	MYLAR 5% 63V "TL"	104J	C161,261,361,461,561,661	6
MYC-00-00085	CAPACITOR	MYLAR 5% 63V "TL"	105J	C1,14,16,29,66	4
ICO-00-00111	I.C	DUAL OP AMP "DIP-08"	NJM2068D	U101,301,501	3
FET-00-00023	F.E.T	N-CH POWER FET "TO-220"	FQP50N06	Q34,35,36,37,44,45,46,47,48,49	10
TRS-00-00176	TRANSISTOR	AUDIO POWER NPN "TO-3P"	KTD718	Q135,235,335,435	4
TRS-00-00082	TRANSISTOR	AUDIO POWER PNP "TO-3P"	KTB688	Q145,245,345,445	4
TRS-00-00207	TRANSISTOR	AUDIO POWER PNP "TO-3P"	TIP36C	Q545,645	2
TRS-00-00188	TRANSISTOR	AUDIO POWER NPN "TO-3P"	TIP35C	Q535,635	2
TRS-00-00032	TRANSISTOR	MIDDLE POWER TR NPN "TO-126"	KTD600K	Q534,543,634,643	4
TRS-00-00081	TRANSISTOR	MIDDLE POWER TR PNP "TO-126"	KTB631K	Q533,544,633,644	4
TRS-00-00111	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3200GR	Q140,240,340,440,540,640	6
DIO-00-00048	DIODE	RECTIFIER	1N5404	D2	1
DIO-00-00152	DIODE	FAST RECOVERY	YG225D2	D30,31,32,33	4
RES-00-00053	RESISTOR	CARBON FILM 1/2WJ	4.7 OHM	R161,261,361,461,561,661	6
RES-00-00787	RESISTOR	METAL FILM 1WJ	1.5K OHM	R63,64,65,66	4
RES-00-00845	RESISTOR	METAL FILM 2WJ	100 OHM	R61,62	2
RES-00-00860	RESISTOR	METAL FILM 2WJ	220 OHM	R191,291	2
RES-00-00869	RESISTOR	METAL FILM 2WJ	330 OHM	R591,691	2
RES-00-00881	RESISTOR	METAL FILM 2WJ	680 OHM	R162,262,362,462,562,662	6
RES-00-00896	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	R159,160,259,260,359,360,459,460	8
RES-00-00958	RESISTOR	WIRE WOUND 5WJ	0.1 OHM	R559,560,659,660	4
THS-00-00013	THERMISTOR	NTC RESISTOR 50K	FTD5-350	TH1	1
ELC-00-00201	CAPACITOR	ELECTROLYTIC"SMS"	330 ! /16V	C191,291	2
ELC-00-00185	CAPACITOR	ELECTROLYTIC"SHL"	470 ! /35V	C40,C41	2
ELC-00-00463	CAPACITOR	ELECTROLYTIC"SHL"	470 ! /50V	C30,31	2
ELC-00-00726	CAPACITOR	ELECTROLYTIC"WL"	1000 ! /35V	C28	1
ELC-00-00727	CAPACITOR	ELECTROLYTIC"WL"	2200 ! /25V	C21,22,24,25	4
ELC-00-00187	CAPACITOR	ELECTROLYTIC"SHL"	2200 ! /50V	C32,33	2
ELC-00-00603	CAPACITOR	ELECTROLYTIC"SHL"	3300 ! /35V	C42,43	2
COI-00-00028	INDUCTOR	DRUM COIL	CL-310	L1,2	2
COI-00-00093	INDUCTOR	DRUM COIL	CL-510	L10,11,12,13	4
COR-TF-00388	RING CORE	36PHI MAGNETICS		T1 , 5T(0.7X9) : 13T(0.7X4)	1
COR-TF-00389	RING CORE	36PHI MAGNETICS		T2 , 5T(0.7X15) : 10T(0.7X4)	1
WIR-00-00016	GND WIRE	AWG #22 BLACK 3.2PHI RING RUG	80m/m	W1,2	2
JAC-00-00042	RCA JACK	GOLD PLATED 2P	DJB-562D	J101,301,501	3
HOD-00-00011	FUSE HOLDER	P.C.B TYPE	WF-9604	F1	1
FUS-00-00010	FUSE	32V/30A	32V30A	2SET+2ASS'Y	4
JAC-00-00050	MODULAR JACK	BLACK	DEK623P-4B	MOD1	1
CON-00-00128	WAFER		LAD1140-04PBK	JACK1,2	2
WIR-00-00208	WIRE ASS'Y	300m/m	CHD1140-04PBK	JACK1,2	2

GTO755.6 Parts List

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
TUB-00-00008	TEFLON TUBE	0.7PHI	10m/m	Q140,240,340,440,540,640/ TH1	8
TUB-00-00009	TEFLON TUBE	0.7PHI	15m/m	LED1	2
TUB-00-00006	TEFLON TUBE	0.7PHI	20m/m	LED2	2
DIO-00-00321	LED	3PHI BLUE	MS-L330CBHSK	LED1	1
DIO-00-00278	LED	3PHI RED	HNRD-3401L	LED2	1
JUP-00-00003	BAR JUMPER		35m/m	BJ3,4	2
JUP-00-00005	BAR JUMPER		55m/m	BJ1,2	2
JUP-00-00011	BUS BAR	6PIN	MA-BA-02-1960-0	BJ5	1
SWI-00-00024	SWITCH	SLIDE SWITCH	JSS2219	SW201,401	2
TER-00-00236	POWER TERMINAL	GOLD PLATED,3P	WT-9323	TER1	1
TER-00-00191	POWER TERMINAL	GOLD PLATED,12P	WT-9522	TER2	1
HED-00-00113	SOCKET		TM2501-DG-10P	HP2	1
HED-00-00114	SOCKET		TM2501-DG-12P	HP1	1
ICO-00-00021	I.C	PWM I.C "SO-16"	TL494CD	U10	1
TRS-00-00113	TRANSISTOR	SMD TO-23 NPN	KTC3875GR	Q50	1
TRS-00-00098	TRANSISTOR	SMD TO-23 PNP	KTA1504GR	Q3,4,6	3
DIO-00-00117	DIODE	SWITCHING SIGNAL	RLS4148	D3,10,11,20,21	5
RES-08-00077	RESISTOR	SMD 0805 1/8WF	4.7K OHM	R7	1
RES-08-00251	RESISTOR	SMD 0805 1/8WF	10.5K OHM	R6	1
RES-08-00250	RESISTOR	SMD 0805 1/8WF	430K OHM	R25	1
RES-08-00135	RESISTOR	SMD 0805 1/8WJ	10 OHM	R8	1
RES-08-00229	RESISTOR	SMD 0805 1/8WJ	910 OHM	R16	1
RES-08-00148	RESISTOR	SMD 0805 1/8WJ	1K OHM	R17,26,27,28,29,52	6
RES-08-00177	RESISTOR	SMD 0805 1/8WJ	3.9K OHM	R11	1
RES-08-00191	RESISTOR	SMD 0805 1/8WJ	4.7K OHM	R2,3,10	3
RES-08-00223	RESISTOR	SMD 0805 1/8WJ	8.2K OHM	R4	1
RES-08-00132	RESISTOR	SMD 0805 1/8WJ	10K OHM	R9,12	2
RES-08-00143	RESISTOR	SMD 0805 1/8WJ	15K OHM	R20,21	2
RES-08-00160	RESISTOR	SMD 0805 1/8WJ	20K OHM	R15	1
RES-08-00164	RESISTOR	SMD 0805 1/8WJ	22K OHM	R18,51	2
RES-08-00170	RESISTOR	SMD 0805 1/8WJ	27K OHM	R14	1
RES-08-00182	RESISTOR	SMD 0805 1/8WJ	33K OHM	R19	1
RES-08-00198	RESISTOR	SMD 0805 1/8WJ	47K OHM	R50	1
RES-08-00208	RESISTOR	SMD 0805 1/8WJ	56K OHM	R5	1
RES-08-00216	RESISTOR	SMD 0805 1/8WJ	68K OHM	R13	1
RES-12-00147	RESISTOR	SMD 1206 1/6WJ	1 OHM	R1	1
RES-12-00159	RESISTOR	SMD 1206 1/6WJ	220 OHM	R30,31,40,41	4
CEC-08-00004	CAPACITOR	SMD 0805	104pF	C5,11	2
TRS-00-0008	7TRANSISTOR	SMALL SIGNAL PNP "TO-92L	KTA1023Y	Q1	1
TRS-00-0009	0TRANSISTOR	SMALL SIGNAL PNP "TO-92"	KTA1266GR	Q10,11,12,13	4
TRS-00-0011	0TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198GR	Q2	1
TRS-00-0010	9TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198BL	Q5	1
MYC-00-0002	CAPACITOR	MYLAR 5% 100V	102J	C9	1
ELC-00-0069	9CAPACITOR	ELECTROLYTIC"SRE"	10 ! /25V	C12	1
ELC-00-0024	1CAPACITOR	ELECTROLYTIC"SRE"	10 ! /16V	C3	1
ELC-00-0070	0CAPACITOR	ELECTROLYTIC"SRE"	22 ! /25V	C6,13	2
ELC-00-0024	2CAPACITOR	ELECTROLYTIC"SRE"	47 ! /16V	C4,8	2
ELC-00-0024	3CAPACITOR	ELECTROLYTIC"SRE"	100 ! /16V	C7,10	2
HED-00-0006	8HEADER PIN	GOLD PLATED	TM2008-CG-06P	HP1,2	2

GTO755.6 Parts List

PART NO.	NOMENCATURE	DESCRIPTION	MFR PARTS	REF. NO	Q'TY
ICO-00-00354	I.C	REMOTE CONTROL IC "SMD"	NJM13600D	U500	1
ICO-00-00113	I.C	DUAL OP AMP	NJM2068M	U102,103,104,105,302,303,304,305,5 U505,506,510,606	0 14
RES-08-0025 2	RESISTOR	SMD 0805 1/8WF	9.4K OHM	R257,457,657	3
RES-08-0025 3	RESISTOR	SMD 0805 1/8WF	15.2K OHM	R155,255,355,455,555,655	6
RES-08-0008 8	RESISTOR	SMD 0805 1/8WF	47K OHM	R256,456,656	3
RES-08-0011 7	RESISTOR	SMD 0805 1/8WF	91K OHM	R156,356,556	3
RES-08-0013 5	RESISTOR	SMD 0805 1/8WJ	10 OHM	R548,549	2
RES-08-0014 2	RESISTOR	SMD 0805 1/8WJ	150 OHM	R80	1
RES-08-0020 3	RESISTOR	SMD 0805 1/8WJ	510 OHM	R511,513,611,613	4
RES-08-0022 5	RESISTOR	SMD 0805 1/8WJ	820 OHM	R108,208,308,408,508,608	6
RES-08-0014 8	RESISTOR	SMD 0805 1/8WJ	1K OHM	R592,692	2
RES-08-0020 1	RESISTOR	SMD 0805 1/8WJ	5.6K OHM	R113,115,213,215,313,315,413,415,51 R617,618	12
RES-08-0021 0	RESISTOR	SMD 0805 1/8WJ	6.8K OHM	R596,696	2
RES-08-0013 2	RESISTOR	SMD 0805 1/8WJ	10K OHM	R83,110,111,112,114,127,210,211,214 R311,314,327,410,411,414,427,510,514,515 R516,610,614,615,616	25
RES-08-0014 3	RESISTOR	SMD 0805 1/8WJ	15K OHM	R81,512,612	3
RES-08-0017 9	RESISTOR	SMD 0805 1/8WJ	30K OHM	R509,609	2
RES-08-0018 7	RESISTOR	SMD 0805 1/8WJ	39K OHM	R595,695	2
RES-08-0014 1	RESISTOR	SMD 0805 1/8WJ	150K OHM	R82,597,697	3
RES-08-0016 2	RESISTOR	SMD 0805 1/8WJ	220K OHM	R148,248,348,448	4
RES-08-0014 9	RESISTOR	SMD 0805 1/8WJ	1M OHM	R540,570	2
CEC-08-0000 9	CAPACITOR	SMD 0805	12pF	C156,356,556,656	4
CEC-08-0001 7	CAPACITOR	SMD 0805	20pF	C256,456	2
CEC-08-0004 2	CAPACITOR	SMD 0805	47pF	C111,211,311,411,593,693	6
CEC-08-0004 0	CAPACITOR	SMD 0805	473pF	C196,197,198,199,296,297,298,299,3 C398,399,496,497,498,499,596,597,598,599 C600,696,697,698,699,700	9 26
TRS-00-0011 0	TRANSISTOR	SMALL SIGNAL NPN "TO-92"	KTC3198GR	Q80	1
MYC-00-0009	CAPACITOR	MYLAR 5% 63V "TL"	683J	C518,618	2
MYC-00-0015	CAPACITOR	MYLAR 5% 63V "TL"	823J	C113,115,213,215,313,315,413,415,51	10
MYC-00-0008 3	CAPACITOR	MYLAR 5% 63V "TL"	104J	C590,592,690,692	4
ELC-00-0064 2	CAPACITOR	ELECTROLYTIC"SRE"	1! /50V	C80	1
ELC-00-0024 9	CAPACITOR	ELECTROLYTIC"SRE"	2.2! /50V	C516,616	2
ELC-00-0025 0	CAPACITOR	ELECTROLYTIC"SRE"	4.7! /50V	C81	1
ELC-00-0024 1	CAPACITOR	ELECTROLYTIC"SRE"	10! /16V	C155,255,355,425,509,512,555,609,61	10
SWI-00-0011 2	SWITCH	SLIDER SWITCH	JSS2301S120	SW101,301	2
SWI-00-0010 6	SWITCH	SLIDER SWITCH	JSS2201S120	SW501	1
VOL-00-0033 7	VOLUME	V123H CO 20RS B20K 10%	20KBx2	VR101,301,500,501	4
VOL-00-0033 8	VOLUME	V124H CO 20RS C50K 10%	50KCx4	VR102,302,502	3
HED-00-0024 3	PIN CONNECTOR	TM2008-D81G-10P	10P	HP4	1
HED-00-0024 4	PIN CONNECTOR	TM2008-D81G-12P	12P	HP3	1

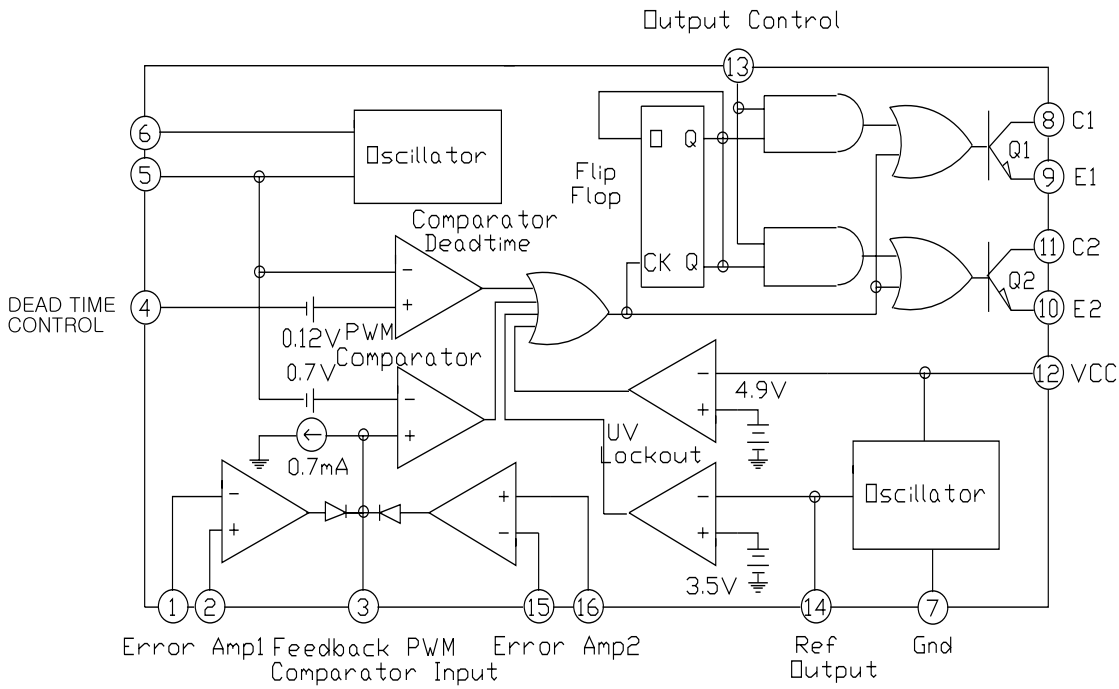
GTO 755.6 Version II Electrical Parts List Addendum

The following chart below represents the only electrical parts differences in Version I and II models:

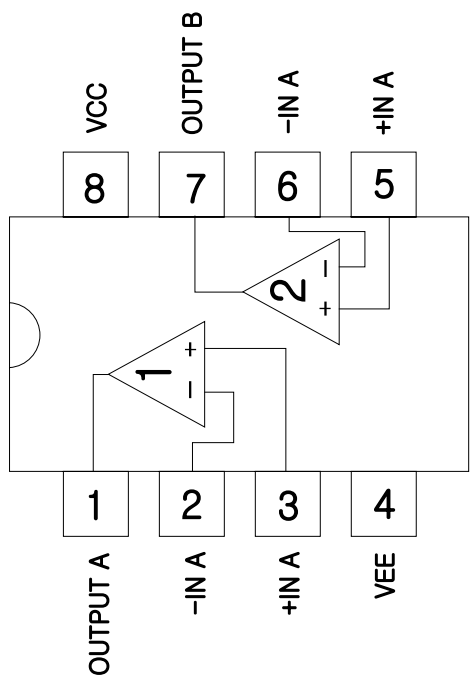
	MODEL	PART NAME	PART NO	SPEC	DESIGNATOR
1	GTO 755.6	RESISTOR	RES-08-00225	SMD 0805 1/8WJ 820 OHM	R108,208,308,408,508,608
	GTO 755.6II	**RESISTOR**	RES-08-00242	**SMD 0805 1/8WF 240 OHM**	**R108,208,308,408,508,608**
2	GTO 755.6	RESISTOR	RES-08-00253	SMD 0805 1/8WF 15.2KOHM	R155,255,355,455,555,655
	GTO 755.6II	**RESISTOR**	RES-08-00116	SMD 0805 1/8WF 9.1KOHM	**R155,255,355,455,555,655**
3	GTO 755.6	RESISTOR	RES-08-00252	SMD 0805 1/8WF 9.4KOHM	R257,457,657
	GTO 755.6II	**RESISTOR**	RES-08-00200	SMD 0805 1/8WJ 5.1KOHM	**R257,457,657**
4	GTO 755.6	RESISTOR	RES-00-00402	1/5WF 10K OHM	R171,271,371,471
	GTO 755.6II	**RESISTOR**	RES-00-00480	**1/5WF 27K OHM**	**R171,271,371,471**
5	GTO 755.6	RESISTOR	RES-00-00436	1/5WF 18K OHM	R571,671
	GTO 755.6II	**RESISTOR**	RES-00-00532	**1/5WF 43K OHM**	**R571,671**
6	GTO 755.6	RESISTOR	RES-00-00437	1/5WF 1K OHM	R120,220,320,420,520,620
	GTO 755.6II	**RESISTOR**	RES-00-00545	**1/5WF 5.6K OHM**	**R120,220,320,420,520,620**
7	GTO 755.6	POWER TERMINAL	TER-00-00236	(3P) WT-9323	TER1
	GTO 755.6II	POWER TERMINAL	**TER-00-00277**	**(3P) DK-03B03-AG-1-DN**	**TER1**
8	GTO 755.6	SPEAKER TERMINAL	TER-00-00191	(12P) WT-9522	TER2
	GTO 755.6II	SPEAKER TERMINAL	**TER-00-00271**	**(12P) DK-1202-AG-1-DN**	**TER2**

Integrated Circuit Diagrams

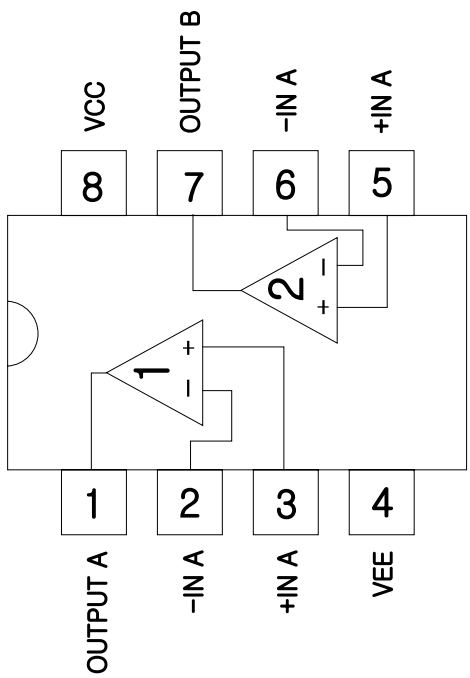
SUB B'D(PAS311-01) U01 (TL494CD) P.W.M IC



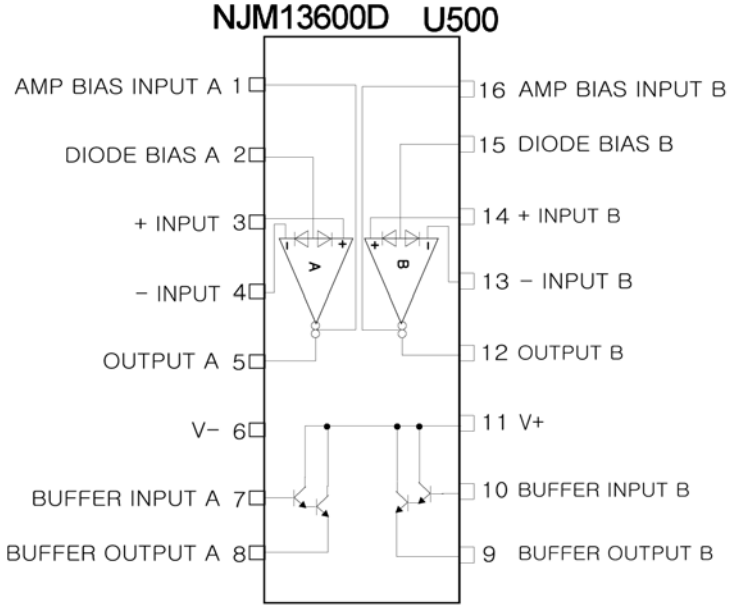
MAIN B'D : U101,301,501 (NJM2068D) DUAL OP AMP



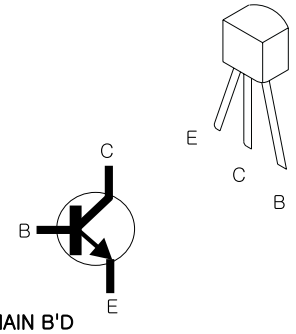
SUB B'D(PAS312-01) : U102,103,104,105,302,303,304,305,502,504,505,506
U510,606 (NJM2068M) DUAL OP AMP



DUAL TRANSCONDUCTANCE AMPLIFIER
NJM13600D U500



Transistor Diagrams

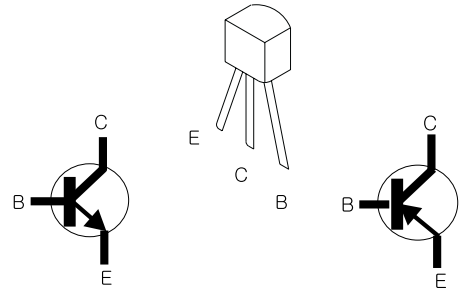


MAIN B'D
* KTC3198GR *
Q131,132,143,181,182
Q231,232,243,331,332
Q343,431,432,443,531
Q532,631,632

PAS311-01
* KTC3198GR *
Q2

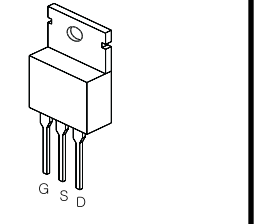
MAIN B'D
* KTA1266GR *
Q133,141,142,233,241
Q242,333,341,342,433
Q441,442,541,542,641
Q642

PAS311-01
* KTA1266GR *
Q10,11,12,13

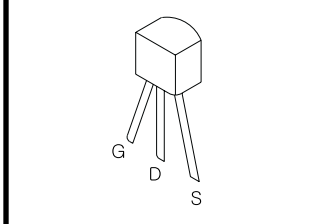


MAIN B'D
* KTC3200GR *
Q151,251,351,451,551,
Q651,140,240,340,440
Q540,640

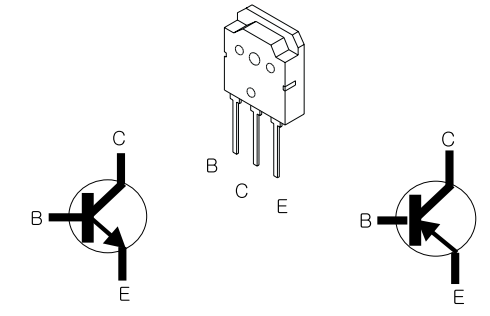
PAS311-01
* KTC3198BL * - Q05



* FQP50N06
Q34,35,36,37,44,45
Q46,47,48,49



* KTK30AGR
Q60,130,230,330,430,530,630



* KTD600K *
Q534,543,634,643

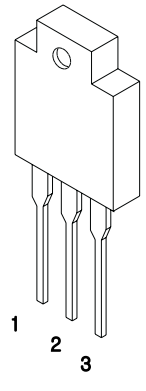
* KTD718 *
Q135,235,335,435

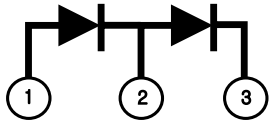
* TIP35C *
Q535,635

* KTB631K *
Q533,544,633,644

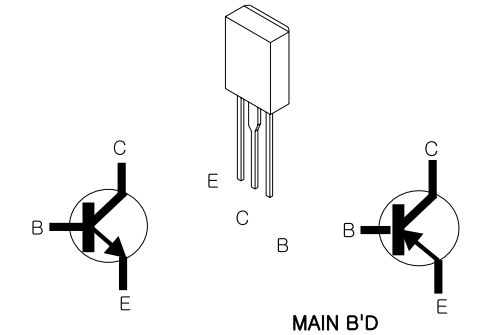
* KTB688 *
Q145,245,345,445

* TIP36C *
Q545,645





* YG225D2 *
D30,31,32,33

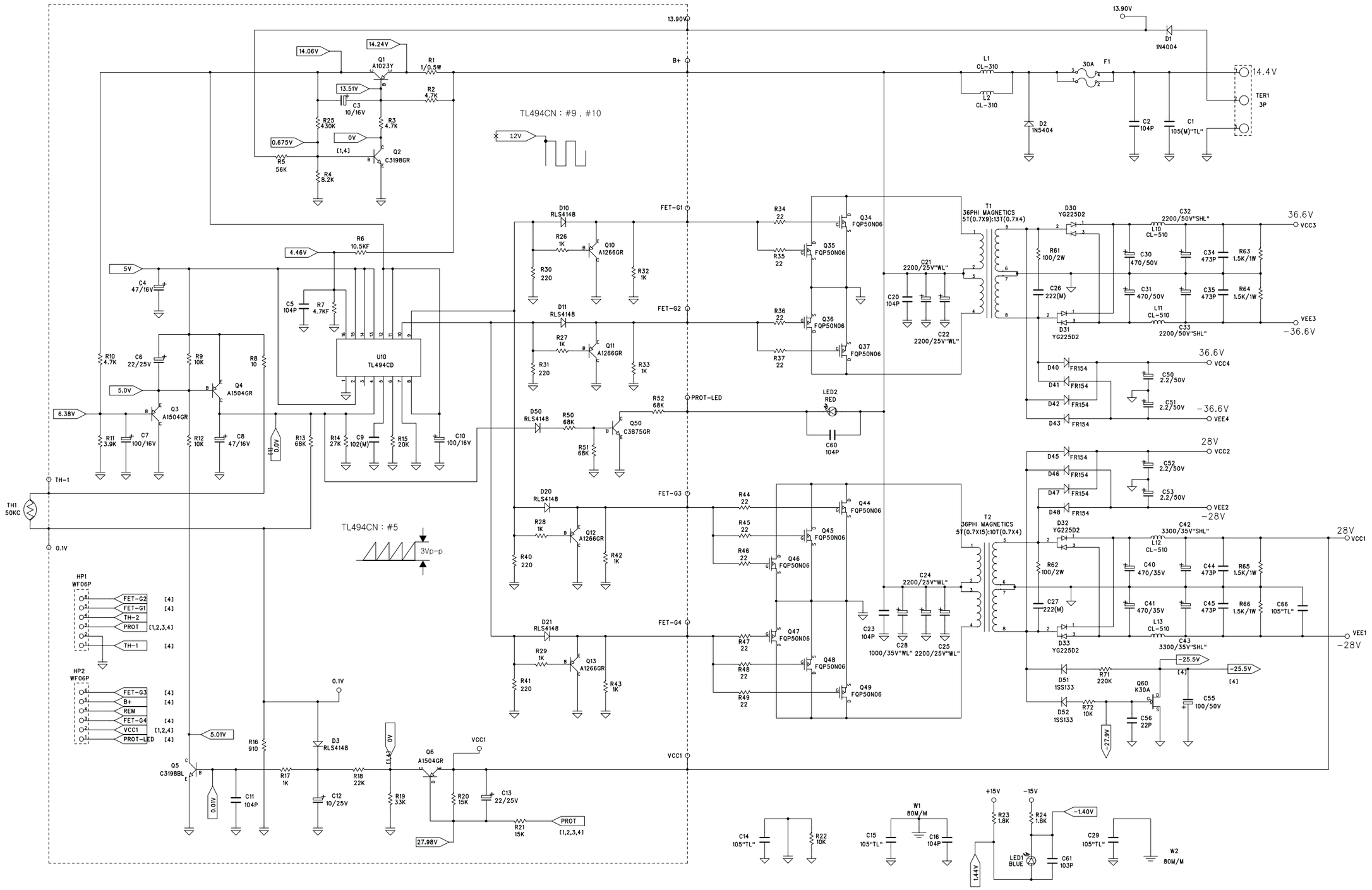


* KTC1027Y *
Q134,234,334,434

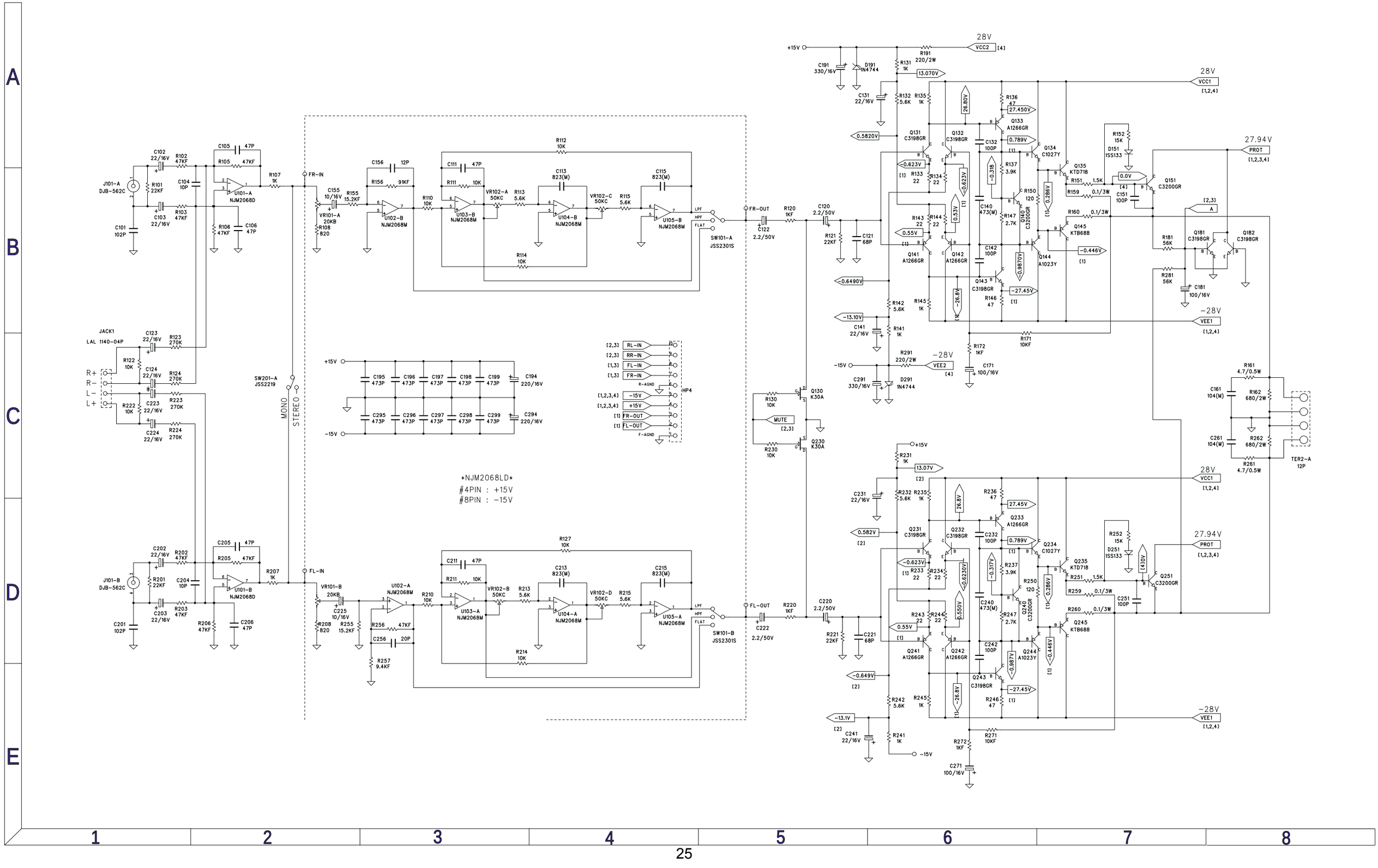
MAIN B'D
* KTA1023Y *
Q144,244,344,444

PAS311-01
* KTA1023Y *
Q1

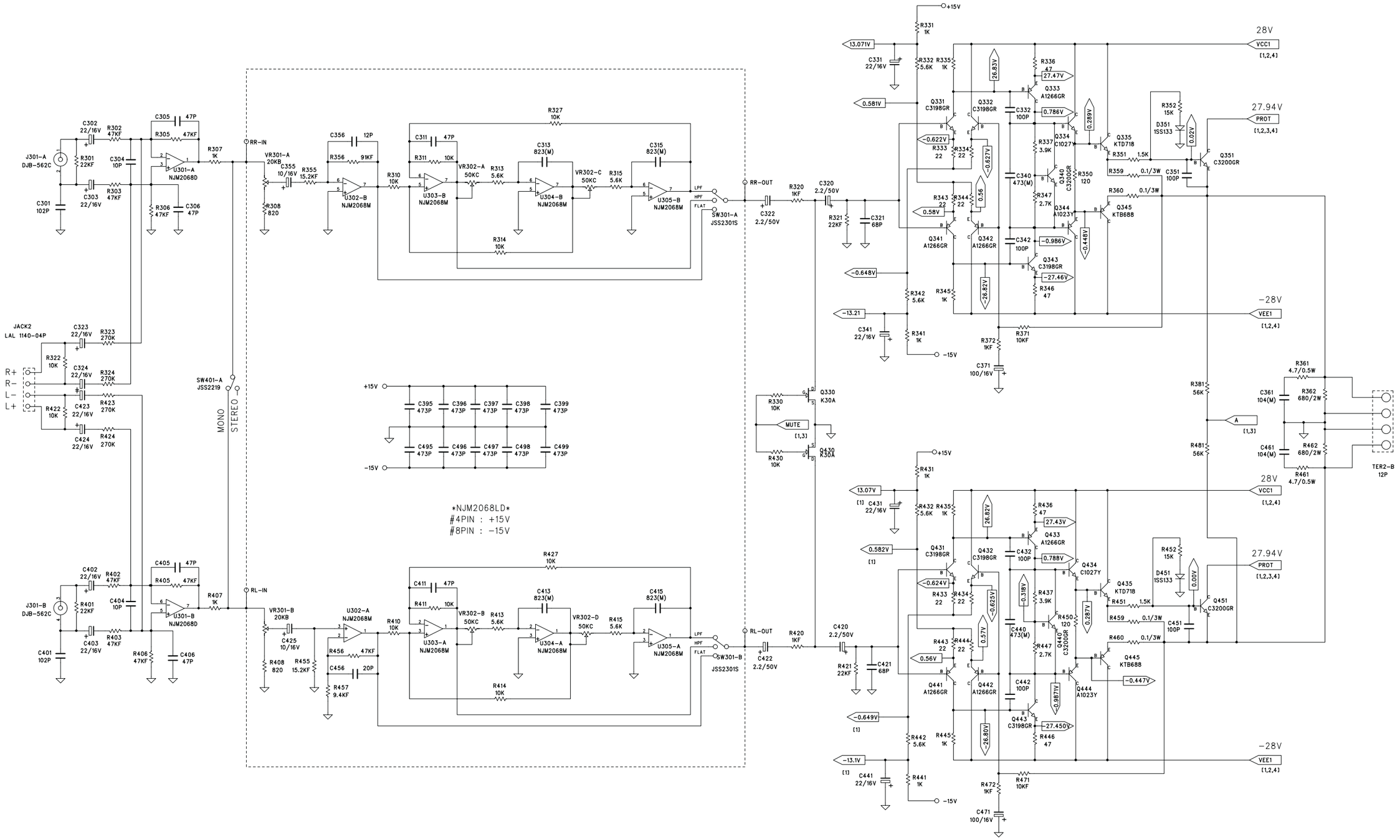
GTO 755.6 Page1 Schematic



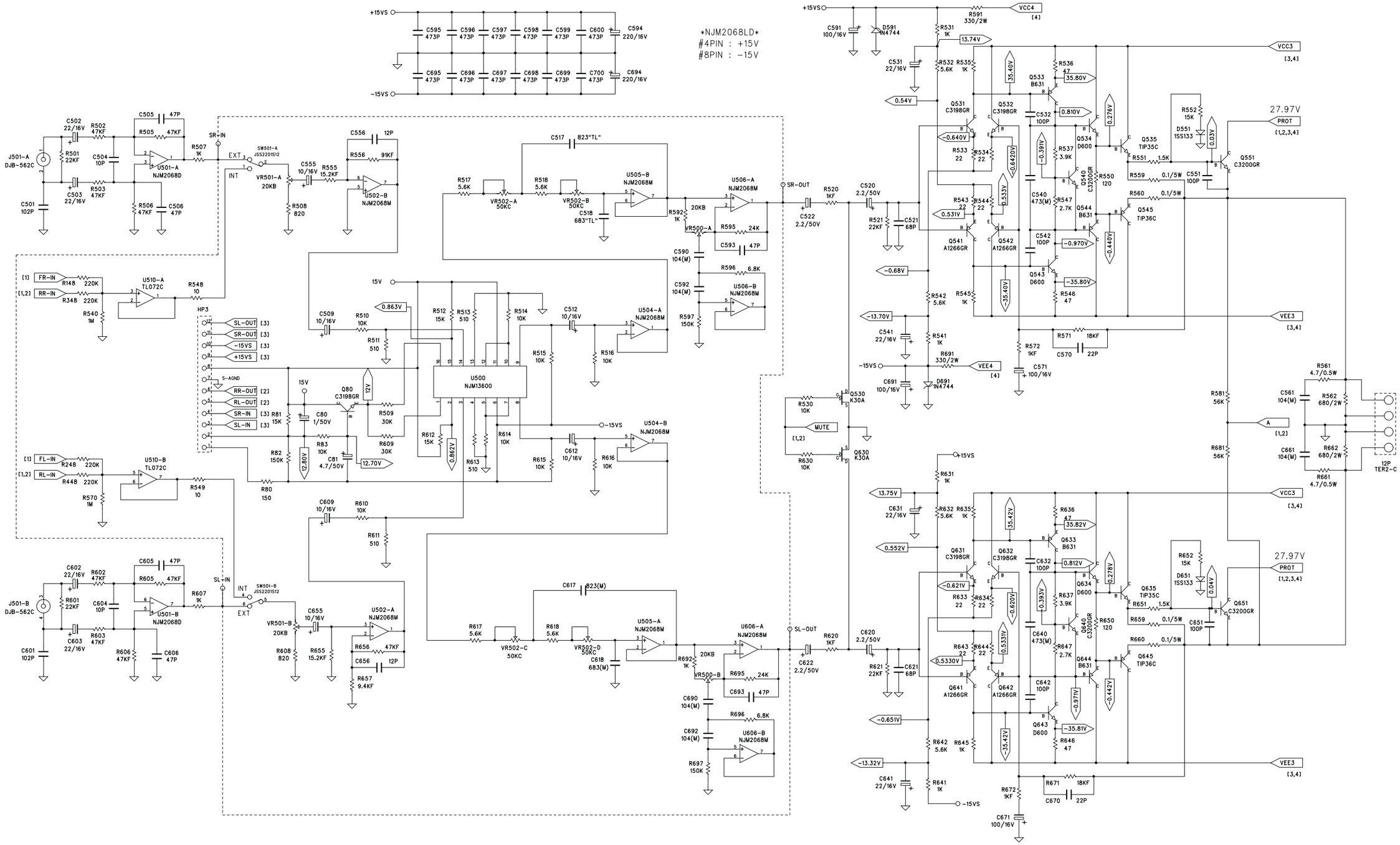
GTO 755.6 Page2 Schematic



GTO 755.6 Page3 Schematic



GTO 755.6 Page4 Schematic



GTO 755.6II Page1 Schematic

JBL GTO 755.6II

REM
B+
FET-G1
FET-G2
PROT-LED
FET-G3
FET-G4
VCC1
TH-1
TH-2

Q1 A1023Y, R1 1/0.5W, C3 10/16V, R2 4.7K, R25 430K, R3 4.7K, R5 56K, Q2 C3198GR, R4 8.2K

D1 1N4004, L1 CL-310, L2 CL-310, 30A F1, D2 1N5404, C2 104P, C1 105(M)"TL", TER1 3P

R6 10.5KF, C4 47/16V, C5 104P, R7 4.7KF, U10 TL494CD

R10 4.7K, C6 22/25V, R9 10K, R8 10, Q4 A1504GR, Q3 A1504GR, R11 3.9K, C7 100/16V, R12 10K, C8 47/16V

R13 68K, R14 27K, C9 102(M), R15 20K, C10 100/16V

D10 RLS4148, R26 1K, Q10 A1266GR, R30 220, R32 1K

D11 RLS4148, R27 1K, Q11 A1266GR, R31 220, R33 1K

D50 RLS4148, R50 68K, Q50 C3875GR, R52 68K, R51 68K

D20 RLS4148, R28 1K, Q12 A1266GR, R40 220, R42 1K

D21 RLS4148, R29 1K, Q13 A1266GR, R41 220, R43 1K

R34 22, Q34 FQP50N06, R35 22, Q35 FQP50N06

R36 22, Q36 FQP50N06, R37 22, Q37 FQP50N06

R44 22, Q44 FQP50N06, R45 22, Q45 FQP50N06, R46 22, Q46 FQP50N06

R47 22, Q47 FQP50N06, R48 22, Q48 FQP50N06, R49 22, Q49 FQP50N06

LED2 RED, C60 104P

T1 36PHI MAGNETICS 5T(0.7X9):13T(0.7X4)

C21 2200/25V"WL", C20 104P, C22 2200/25V"WL"

D30 YG225D2, L10 CL-510, C32 2200/50V"SHL", R61 100/2W, C26 222(M), C30 470/50V, C34 473P, R63 1.5K/1W, C31 470/50V, C35 473P, R64 1.5K/1W, L11 CL-510, C33 2200/50V"SHL", D31 YG225D2

VCC3, VEE3

D40 FR154, D41 FR154, D42 FR154, D43 FR154, C50 2.2/50V, C51 2.2/50V

VCC4, VEE4

D45 FR154, D46 FR154, D47 FR154, D48 FR154, C52 2.2/50V, C53 2.2/50V

VCC2, VEE2

T2 36PHI MAGNETICS 5T(0.7X15):10T(0.7X4)

C24 2200/25V"WL", C23 104P, C28 1000/35V"WL", C25 2200/25V"WL"

D32 YG225D2, L12 CL-510, C42 3300/35V"SHL", R62 100/2W, C27 222(M), C40 470/35V, C44 473P, R65 1.5K/1W, C41 470/35V, C45 473P, R66 1.5K/1W, C66 105"TL", L13 CL-510, C43 3300/35V"SHL", D33 YG225D2

VCC1, VEE1

D51 1SS133, R71 220K, D52 1SS133, R72 10K, Q60 K30A, C56 22P, C55 100/50V

MUTE [1,2,3]

HP1 WF06P
- 6 FET-G2 [4]
- 5 FET-G1 [4]
- 4 TH-2 [4]
- 3 PROT [1,2,3,4]
- 2
- 1 TH-1 [4]

HP2 WF06P
- 6 FET-G3 [4]
- 5 B+ [4]
- 4 REM [4]
- 3 FET-G4 [4]
- 2 VCC1 [1,2,4]
- 1 PROT-LED [4]

TH1 50KC

R16 910, D3 RLS4148, Q5 C3198BL, R17 1K, R18 22K, C11 104P, C12 10/25V, R19 33K, Q6 A1504GR, R20 15K, C13 22/25V, R21 15K, PROT [1,2,3,4]

C14 105"TL", R22 10K

W1 80M/M, C15 105"TL", C16 104P

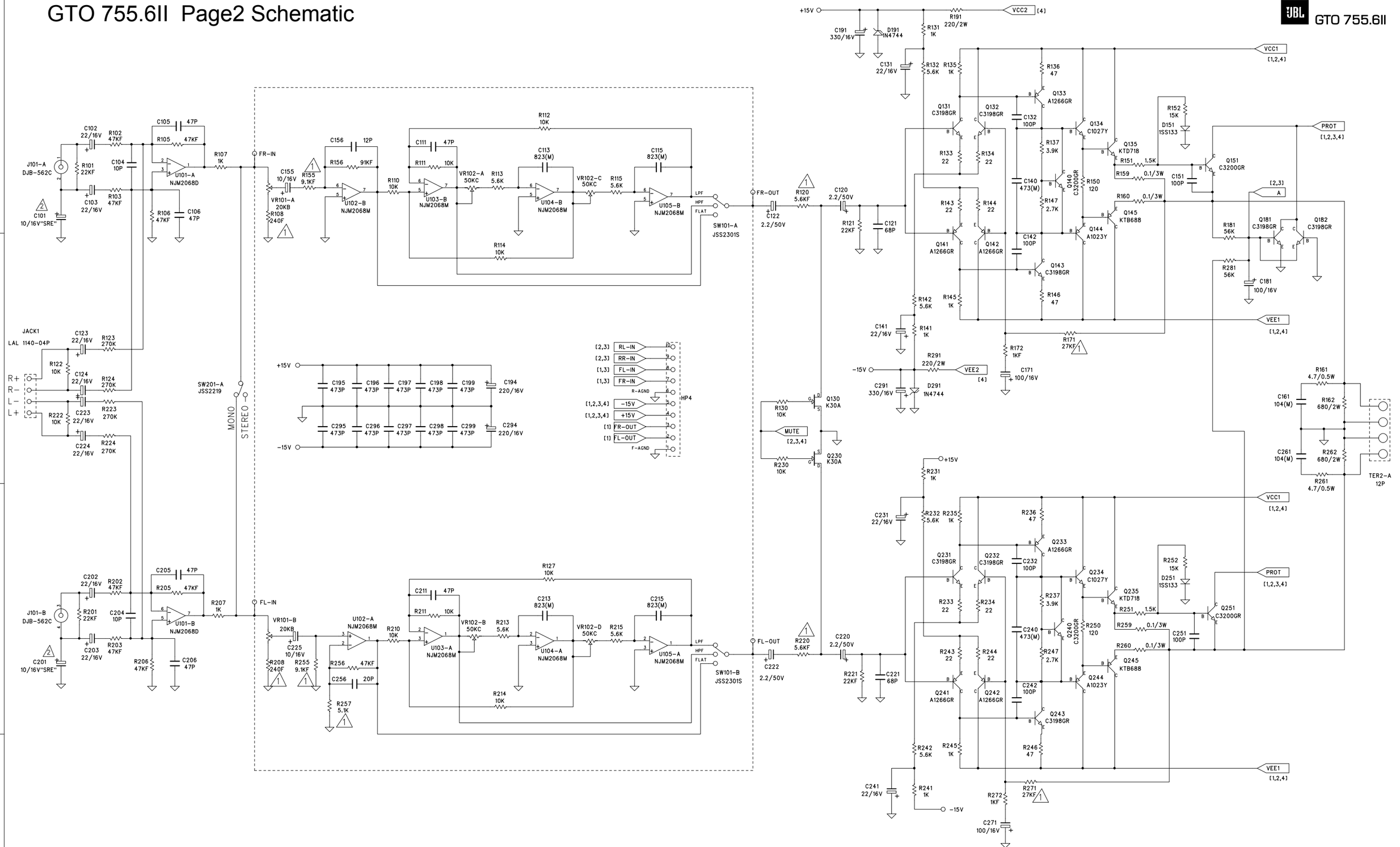
+15V, -15V, R23 1.8K, R24 1.8K, LED1 BLUE, C61 103P

C29 105"TL", W2 80M/M

										BUYER	JBL	DWG DESCRIPTION			SIGN	DATE
										BUYER MODEL	GTO 755.6II			DRAW		2004.02.26
										ISSUE	A	SCALE	DWG. NO.	CHECKED		2004.02.26
REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED	SHEET	4 OF 4	N/S	CLS - AP - 3039	APPROVED		2004.02.26

GTO 755.6II Page2 Schematic

GTO 755.6II



											BUYER	JBL	DWG DESCRIPTION			SIGN	DATE
2	CL 1-40239A	C101,201 102P->10/16V"SRE"	2004.08.10								BUYER MODEL	GTO 755.6II					
1	CL 1-40183A	R108,208 820->240F/R257 9.4KF->5.1K R155,255 15.2KF->9.1KF/R171,271 10KF->27KF R120,220 1KF->5.6KF	2004.06.14								ISSUE	C	SCALE	DWG. NO.			
REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED		SHEET	1 OF 4	N/S	CLS - AP - 3039		DRAW	2004.08.13
																CHECKED	2004.08.13
																APPROVED	2004.08.13

PAGE NO : 8

C6012-04(∅)

GTO 755.6II Page3 Schematic

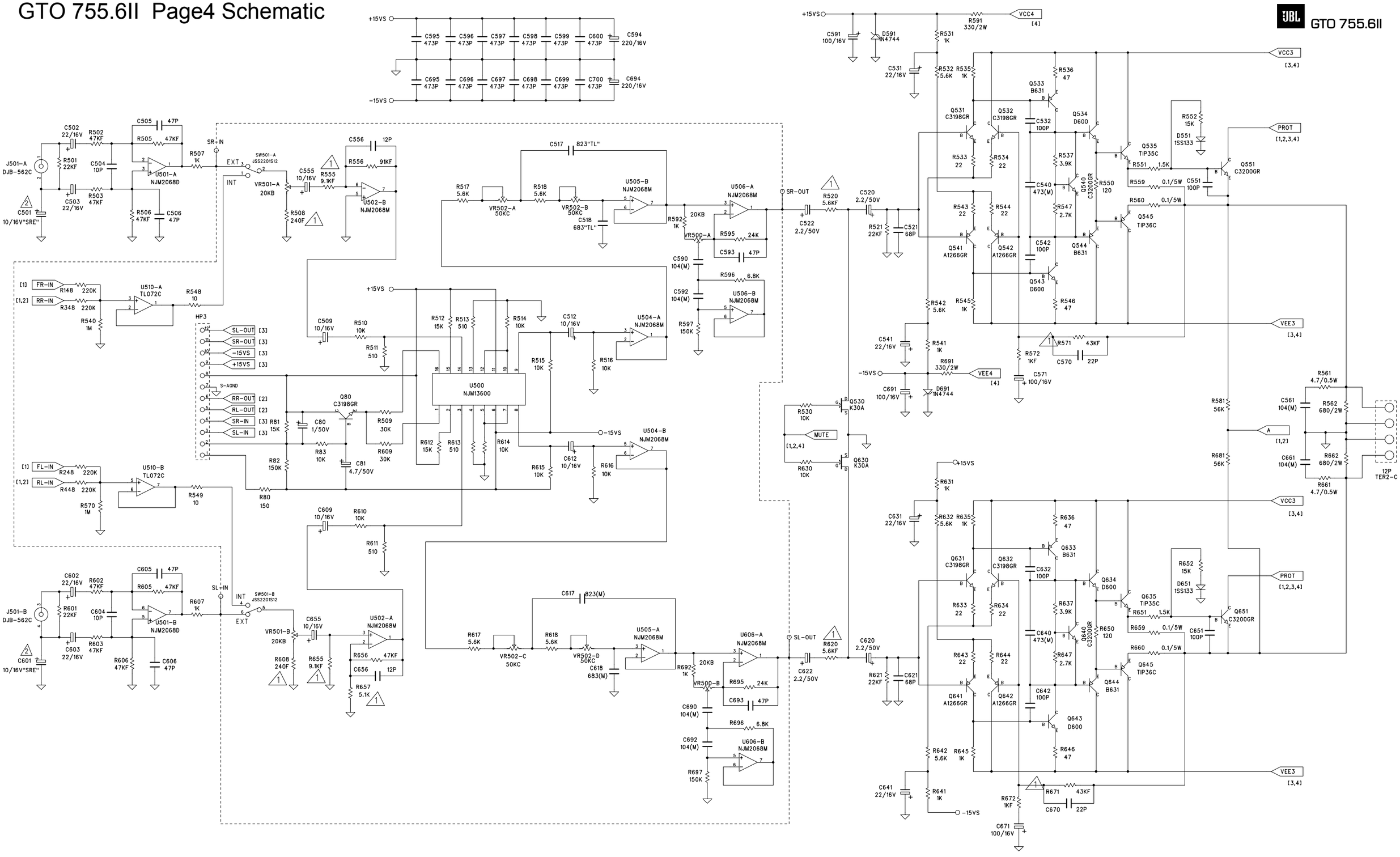
GTO 755.6II

J301-A DJB-562C
J301-B DJB-562C
JACK2 LAL 1140-04P
SW401-A JSS2219
SW301-A JSS2301S
SW301-B JSS2301S
U301-A NJM2068D
U301-B NJM2068D
U302-A NJM2068M
U302-B NJM2068M
U303-A NJM2068M
U303-B NJM2068M
U304-A NJM2068M
U304-B NJM2068M
U305-A NJM2068M
U305-B NJM2068M
Q330 K30A
Q430 K30A
Q331 C3198GR
Q332 C3198GR
Q333 A1266GR
Q334 C1027Y
Q335 KTD718
Q340 C3200GR
Q341 A1266GR
Q342 A1266GR
Q343 C3198GR
Q344 A1023Y
Q345 KTB688
Q351 C3200GR
Q431 C3198GR
Q432 C3198GR
Q433 A1266GR
Q434 C1027Y
Q435 KTD718
Q440 C3200GR
Q441 A1266GR
Q442 A1266GR
Q443 C3198GR
Q444 A1023Y
Q445 KTB688
Q451 C3200GR
D351 1SS133
D451 1SS133
TER2-B 12P
MUTE [1,3,4]
VCC1 [1,2,4]
VEE1 [1,2,4]
PROT [1,2,3,4]
A [1,3]
RR-IN
RR-OUT
RL-IN
RL-OUT
LPF
HPF
FLAT
MONO
STEREO
R+
R-
L-
L+
+15V
-15V

											BUYER	JBL	DWG DESCRIPTION			SIGN	DATE
2	CL 1-40239A	C301,401 102P->101/16V"SRE"	2004.08.10								BUYER MODEL	GTO 755.6II			DRAW		2004.08.13
1	CL 1-40183A	R308,408 820->240F/R457 9.4KF->5.1KF R355,455 15.2KF->9.1KF/R371,471 10KF->27KF R 320,420 1KF->5.6KF	2004.06.14								ISSUE	C	SCALE	DWG. NO.	CHECKED		2004.08.13
REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED		SHEET	2 OF 4	N/S	CLS - AP - 3039	APPROVED		2004.08.13

GTO 755.6II Page4 Schematic

JBL GTO 755.6II



											BUYER	JBL	DWG DESCRIPTION			SIGN	DATE
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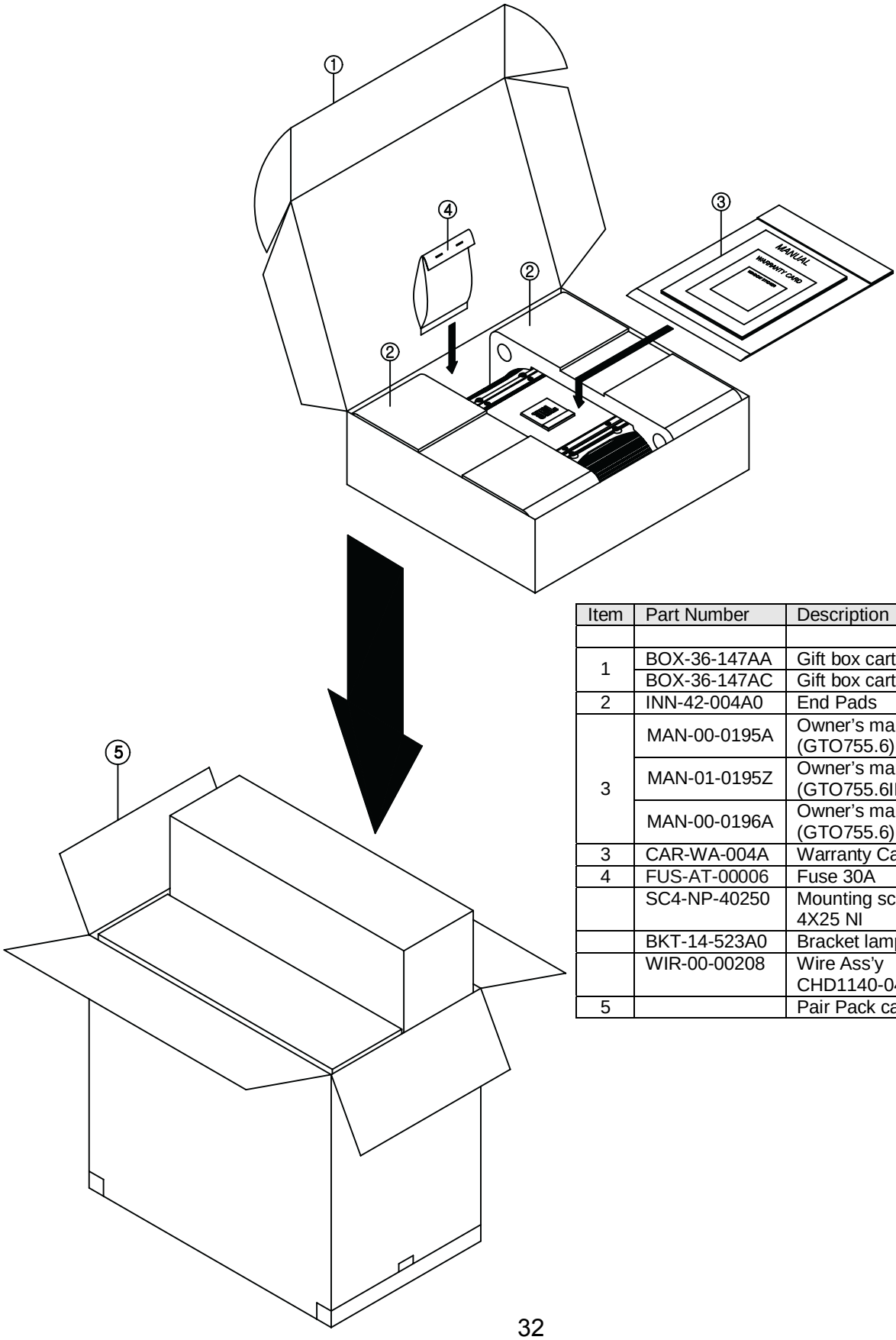
1	CL 1-40183A	R508,608 820->240F /R555,655 15.2KF->9.1KF R657 9.4KF->5.1K / R571,671 18KF->43KF R120,220 1KF -> 5.6KF	2004.06.14								ISSUE	C	SCALE N/S	DWG. NO. CLS - AP - 3039	CHECKED		2004.08.13
REV	ECN NO	DESCRIPTION	DATE	APPROVED	REV	ECN NO	DESCRIPTION	DATE	APPROVED		SHEET	3 OF 4			APPROVED		2004.08.13

PAGE NO : 10

Packaging Exploded View



Item	Part Number	Description	Qty
1	BOX-36-147AA	Gift box carton (GTO755.6)	1
	BOX-36-147AC	Gift box carton (GTO755.6II)	1
2	INN-42-004A0	End Pads	2
3	MAN-00-0195A	Owner's manual (USA) (GTO755.6)	1
	MAN-01-0195Z	Owner's manual (USA) (GTO755.6II)	1
	MAN-00-0196A	Owner's manual (Europe) (GTO755.6)	1
3	CAR-WA-004A	Warranty Card	1
4	FUS-AT-00006	Fuse 30A	2
	SC4-NP-40250	Mounting screw STT1 PH 4X25 NI	6
	BKT-14-523A0	Bracket lamp SK-5/BK	4
	WIR-00-00208	Wire Ass'y CHD1140-04P BK	2
5		Pair Pack carton	1